

CRC Handbook of Chemistry and Physics (CHEMnetBASE) Accessibility Conformance Report - International Edition

Name of Product/Version

CRC Handbook of Chemistry and Physics 107th Edition (CHEMnetBASE) | hbcpc.chemnetbase.com/contents/ContentsSearch.xhtml

Report date

June 2026

All issues identified in this ACR have a remediation date of 31 January 2027, unless otherwise stated. The Product Team will review the issues and carry out quality assurance testing on fixes. Where the issue cannot be resolved, the Product Team will provide additional information on the reasons for this.

Product description

Ideal for researchers in both academic and corporate settings, the CRC Handbook of Chemistry and Physics has several interactive tools and features and is designed to help users access trusted chemical and physical data in a seamless manner. Users can use graphing software to visualise their search results, customise their workspace, create bookmarks and access an archive of previous editions.

Contact information

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Notes

1. **We recommend accessing the site on a desktop device (PC, laptop, or Mac) for the best experience.** While the site has been optimised to function on mobile devices where possible, certain third-party components beyond our control (e.g., chemical structure searching) may limit full accessibility on mobile platforms. As a result, you may encounter the issues marked “(mobile)”.
2. This report supersedes all previous versions.
3. Based on [Voluntary Accessibility Product Template \(VPAT®\) Version 2.5, International Edition](#).

Evaluation methods used

Accessibility testing tools: Siteimprove.ai set to crawl for WCAG Level A and AA issues, along with ARIA and accessibility best practice issues. Lighthouse 13.0.2 (Using Chromium 146.0.0.0 with devtools). Accessibility Insights for Web Version 2.44.0 to 2.46.0 (Edge Extension). Wave Evaluation Tool Version 3.3.0.4. Accessibility bookmarklets including A11y's WTFocus and Landmarks, and Altreus GitHub Colourblind bookmarklet. Colour Contrast Analyser (CCA) Version 3.5.2. Elysia - internal closed-system AI.

Assistive technologies: Non-Visual Desktop Access (NVDA) screen reader Versions 2025.3.2.53588 to 2026.1.0.55743. Penguin Ambidextrous Vertical Mouse (model 9820100). Goldtouch Ergonomic Split Keyboard (model SK2730).

Laptop: DELL laptop running Microsoft Windows 11 Enterprise, Version 10.0.26100 (OS Build 26100). Microsoft Edge Version 146.0.3856.84 to 148.0.3967.96. Firefox Version 149.0. Google Chrome Version 146.0.7680.165 to 146.0.7680.178.

Resize display settings: 1280 × 1024 and 1280 × 768, with scaling at 100%, and browser set to 200%.

Reflow display settings: 1280 × 1024, with scaling at 100%, and browser set to 400%.

Mobile: Samsung Galaxy Flip 6, running Android 16 and One UI version 8.0, with Google Chrome (versions 146.0.7680.164 to 148.0.7778.215). Used for checking Orientation with locked and unlocked screen rotation settings, and use of menus/navigation.

Applicable Standards/Guidelines

This report covers the degree of conformance for the following accessibility standard/guidelines:

Standard/Guideline	Included in report	Not included in report
Web Content Accessibility Guidelines 2.0	Levels A and AA	Level AAA
Web Content Accessibility Guidelines 2.1	Levels A and AA	Level AAA
Web Content Accessibility Guidelines 2.2	Levels A and AA	Level AAA
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	Yes	n/a
EN 301 549 Accessibility requirements for ICT products and services - V3.1.1 (2019-11) and EN 301 549 Accessibility requirements for ICT products and services - V3.2.1 (2021-03)	Yes	n/a

Terms

The terms used in the Conformance Level information are defined as follows:

- **Supports:** The functionality of the product has at least one method that meets the criterion without known defects or meets with equivalent facilitation.
- **Partially Supports:** Some functionality of the product does not meet the criteria.
- **Does Not Support:** The majority of product functionality does not meet the criteria.
- **Not Applicable:** The criterion is not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criterion. This can only be used in WCAG Level AAA criteria.

WCAG 2.2 report

Tables 1 and 2 also document conformance with:

- EN 301 549: Chapter 9 - Web, Sections 10.1-10.4 of Chapter 10 - Non-Web documents, and Sections 11.1-11.4 and 11.8.2 of Chapter 11 - Non-Web Software (open and closed functionality), and Sections 12.1.2 and 12.2.4 of Chapter 12 – Documentation
- Revised Section 508: Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing, and Chapter 6 – 602.3 Electronic Support Documentation.

Note: When reporting on conformance with the WCAG 2.2 Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.2 Conformance Requirements](#).

Visual summary of WCAG 2.2 compliance

Supports = green*. Partially supports = yellow^. Not supported = pink°. Not applicable = grey>. To be tested/confirmed = blue~.

Level A, 32 criteria: Supports × 9. Partially supports × 15. Not applicable × 8. Not supported × 0. To be tested/confirmed × 0.

Level AA, 24 criteria: Supports × 13. Partially supports × 9. Not applicable × 2. Not supported × 0. To be tested/confirmed × 0.

Principle	P	P	P	P	O	O	O	O	O	U	U	U	R
Guideline	1.1	1.2	1.3	1.4	2.1	2.2	2.3	2.4	2.5	3.1	3.2	3.3	4.1
Level A 2.1	1.1.1^	1.2.1>	1.3.1^	1.4.1^	2.1.1^	2.2.1*	2.3.1>	2.4.1^	2.5.1*	3.1.1*	3.2.1*	3.3.1^	4.1.1>
Level A 2.1	n/a	1.2.2>	1.3.2^	1.4.2>	2.1.2*	2.2.2>	n/a	2.4.2*	2.5.2*	n/a	3.2.2^	3.3.2^	4.1.2^
Level A 2.1	n/a	1.2.3>	1.3.3^	n/a	2.1.4>	n/a	n/a	2.4.3^	2.5.3^	n/a	n/a	n/a	n/a
Level A 2.1	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.4.4^	2.5.4*	n/a	n/a	n/a	n/a
Level A 2.2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	3.2.6^	3.3.7*	n/a
Level AA 2.1	n/a	1.2.4>	1.3.4^	1.4.3^	n/a	n/a	n/a	2.4.5*	n/a	3.1.2*	3.2.3*	3.3.3*	4.1.3^
Level AA 2.1	n/a	1.2.5>	1.3.5^	1.4.4^	n/a	n/a	n/a	2.4.6^	n/a	n/a	3.2.4*	3.3.4*	n/a
Level AA 2.1	n/a	n/a	n/a	1.4.5*	n/a	n/a	n/a	2.4.7^	n/a	n/a	n/a	n/a	n/a
Level AA 2.1	n/a	n/a	n/a	1.4.10^	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Level AA 2.1	n/a	n/a	n/a	1.4.11^	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Level AA 2.1	n/a	n/a	n/a	1.4.12*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Level AA 2.1	n/a	n/a	n/a	1.4.13*	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Level AA 2.2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.4.11*	2.5.7*	n/a	n/a	3.3.8*	n/a
Level AA 2.2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	2.5.8*	n/a	n/a	n/a	n/a

Table 1: Success Criteria, Level A

Notes: the Conformance Level and Remarks and Explanations are evaluated for the Website only. Electronic documents, Software, and Authoring Tool are not applicable.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>1.1.1 Non-text Content</u> (Level A) Also applies to: EN 301 549 Criteria 9.1.1.1 (Web) 10.1.1.1 (Non-web document) 11.1.1.1.1 (Open Functionality Software) 11.1.1.1.2 (Closed Functionality Software) 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web) (Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Partially Supports	All non-chemical structure images are described. Issue CRC-A11Y-00001: Chemical structure images do not have image descriptions It is not possible to provide a description on a chemical structure diagram. Examples: <u>Physical constants of organic compounds</u>: announced by screen reader as "Graphic substance image" - all other data in the table is announced, including as Molecule Form, and Solubility. <u>Structures of amino acids</u>: announced by a screen reader as "Blank", down arrow will then announce the amino acid name.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content continued	Partially Supports	Issue CRC-A11Y-00002: Archived documents are inaccessible due to image-based format Some older documents in the archive section are only available as images, making them unreadable by screen readers. This creates a barrier for users with visual impairments or those relying on assistive technologies. Table data within these documents is particularly difficult to navigate, as it lacks meaningful structure. Text may be announced by a screen reader when using the built-in reading tool, but the document is difficult to navigate and table data is not presented in a meaningful way. • Example: an eight-column table with data presented as a single string without column heading information, and the final five numbers announced as a single number. Archived files can be downloaded and opened in Adobe Acrobat Pro for OCR and automatic tagging, enabling the text to be recognised and table column headers announced. However, table navigation remains complex.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content continued	Partially Supports	Issue CRC-A11Y-00003: Mathematical symbols lack text alternatives or labels Some math symbols on the Chemical Search pages are not accessible to screen readers. For example, the rho character (ρ) and certain minus signs, are not announced, while decimal points are inconsistently announced as "point" or "dot." This inconsistency makes it difficult for users relying on assistive technologies to understand the content. Example: Chemical search results for Helium

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>1.2.1 Audio-only and Video-only (Prerecorded)</u> (Level A) Also applies to: EN 301 549 Criteria • 9.1.2.1 (Web) • 10.1.2.1 (Non-web document) • 11.1.2.1.1 (Open Functionality Software) • 11.1.2.1.2.1 and 11.1.2.1.2.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	There is no audio-only, or video content on the site.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>1.2.2 Captions (Prerecorded)</u> (Level A) Also applies to: EN 301 549 Criteria • 9.1.2.2 (Web) • 10.1.2.2 (Non-web document) • 11.1.2.2 (Open Functionality Software) • 11.1.2.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	There is no video content on the site.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>1.2.3 Audio Description or Media Alternative (Prerecorded)</u> (Level A) Also applies to: EN 301 549 Criteria • 9.1.2.3 (Web) • 10.1.2.3 (Non-web document) • 11.1.2.3.1 (Open Functionality Software) • 11.1.2.3.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	There is no video content on the site.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>1.3.1 Info and Relationships</u> (Level A) Also applies to: EN 301 549 Criteria • 9.1.3.1 (Web) • 10.1.3.1 (Non-web document) • 11.1.3.1.1 (Open Functionality Software) • 11.1.3.1.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Sometimes, when information is presented visually (like headings, lists, tables, or emphasized text), the same organization and relationships are built into the website's code (HTML or ARIA). This ensures everyone, including people using screen readers or other assistive technologies, can understand how information is organized and related. Issue CRC-A11Y-00004: Role not inside the required context The left-hand navigation menus for Search, Periodic Table, and Contents use the [menuitem] role, but these elements are not contained within a parent element with the [menu] or [menubar] role. Screen readers and other assistive technologies may not interpret the menu structure properly, leading to confusion for users navigating the menus. Issue CRC-A11Y-00007: ARIA attribute unsupported or prohibited Expand and collapse chevrons on the left-hand menus are using unsupported ARIA attributes. This impacts screen reader users, as they cannot reliably identify whether the menu is collapsed or expanded.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
1.3.1 Info and Relationships continued	Partially Supports	Issue CRC-A11Y-00005: Container element is empty The left-hand navigation menus for Search, Periodic Table, and Contents use container roles - <code>[list]</code> and <code>[menubar]</code> - but these roles are missing the required child elements. For example: <code>[list]</code> should contain elements with the <code>listitem</code> role. <code>[menubar]</code> should contain elements with roles such as <code>[menuitem]</code>, <code>[menuitemcheckbox]</code>, or <code>[menuitemradio]</code>. Assistive technologies rely on the presence of specific child roles within container roles to interpret the structure and functionality of menus. Missing child roles can lead to confusion and hinder navigation. Issue CRC-A11Y-00006: ARIA parent roles missing required child roles Some elements on the website are missing required child roles for their ARIA parent roles. This can cause issues for assistive technologies, making it harder for users with disabilities to navigate and interact with the site. This affects the following components: <code>[div#topbar.layout-topbar]</code> <code>[a#toplogolink.layout-topbar-logo.title]</code> <code>[a.layout-menu-button]</code> <code>[a#topbar-menu-button]</code>

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
1.3.1 Info and Relationships continued	Partially Supports	Issue CRC-A11Y-00010: Heading is not descriptive Heading 1, "Tour and Help", would benefit from a more descriptive title, such as "Help centre: features, tools, and troubleshooting" to best describe the wide range of resources on the page. The Help Centre icon in the footer should be updated to a question mark in a circle, which is a more recognisable universal design, and its tooltip should be updated to "Help centre" for better accessibility. Note - also see: 2.4.6. Headings and Labels (issue CRC-A11Y-00010) Best practice issue CRC-A11Y-00008: Page does not start with a level 1 heading Some pages do not start with a Heading 1 [<h1>], and heading levels are skipped. Screen reader users rely on headings to navigate and understand the page structure. Missing or incorrect heading levels can disrupt navigation and comprehension. Content Search: Hidden [<h3>] heading. Tour and Help: Starts with [<h2>] instead of [<h1>].

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
1.3.1 Info and Relationships continued	Partially Supports	Best practice issue CRC-A11Y-00009: Page missing headings The Periodic Table does not include any visible heading tags (<h1> through <h6>) or elements with the role of heading. Proper heading structure is essential for accessibility, and screen reader users rely on headings to navigate and understand the page structure. • Contains a hidden <h2> heading. • The top navigation element "Combined Chemical Dictionary" is marked as <label id="title">, which is not a valid heading or accessible structure.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>1.3.2 Meaningful Sequence</u> (Level A) Also applies to: EN 301 549 Criteria • 9.1.3.2 (Web) • 10.1.3.2 (Non-web document) • 11.1.3.2.1 (Open Functionality Software) • 11.1.3.2.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	The order of content in the website's code mostly matches the logical reading order that users expect. This ensures that when people use screen readers, text-only browsers, or customize how a page appears (like enlarging text), the information still makes sense in the order it's presented. Issue CRC-A11Y-00011: Navigation focus and reading order does not match visual layout The top navigation menu does not follow the expected order for users relying on assistive technologies. The focus order (keyboard navigation) and reading order (screen readers) are different from the visual layout, making it harder for users to navigate and understand the menu. • Note – also see: 2.4.3 Focus Order (CRC-A11Y-00011).

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>1.3.3 Sensory Characteristics</u> (Level A) Also applies to: EN 301 549 Criteria • 9.1.3.3 (Web) • 10.1.3.3 (Non-web document) • 11.1.3.3 (Open Functionality Software) • 11.1.3.3 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Mostly, instructions for understanding and operating content do not solely rely on characteristics such as size, visual location, orientation, sound, or shape. Clear text or other non-sensory cues are also provided. Issue CRC-A11Y-00012: Visible label and accessible name do not match: tooltips missing from Periodic Table and Bookmarks icons The icons for "Periodic Table" (labelled as "Pt") and "Bookmarks" (labelled as "Ribbon") do not have tooltips, which may confuse users unfamiliar with the icons. While the accessible names are correct and meaningful for assistive technology users, adding tooltips would make the site easier to use for everyone. • Note - also see: 2.5.3 Label in Name (issue CRC-A11Y-00012)

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>1.4.1 Use of Colour</u> (Level A) Also applies to: EN 301 549 Criteria • 9.1.4.1 (Web) • 10.1.4.1 (Non-web document) • 11.1.4.1 (Open Functionality Software) • 11.1.4.1 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Mostly, colour is not the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. Additional cues such as text or icons are also provided. Issue CRC-A11Y-00019: Blue on page links rely on colour alone for identification Three links are difficult to identify as links because they rely only on colour to stand out from surrounding text. This creates challenges for users who are colourblind, have low vision, or have cognitive disabilities. Links should always be clearly distinguishable from surrounding text, even when not hovered over or focused. • Log in • Other CHEMnetBASE Products (site footer, with a list of nine links popping up, which are clearer as menu items without surrounding body text, they underline once receive keyboard focus or mouse hover). • ChemAxon (site footer). • Blue links (0E6DBA) with surrounding black body text (000000), contrast ratio is 3.9:1 (should be at least 4.5:1).

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>1.4.2 Audio Control</u> (Level A) Also applies to: EN 301 549 Criteria • 9.1.4.2 (Web) • 10.1.4.2 (Non-web document) • 11.1.4.2 (Open Functionality Software) • 11.1.4.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	There is no audio-only, or video content on the site.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
2.1.1 Keyboard (Level A) Also applies to: EN 301 549 Criteria • 9.2.1.1 (Web) • 10.2.1.1 (Non-web document) • 11.2.1.1.1 (Open Functionality Software) • 11.2.1.1.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Most functionality is operable using a keyboard only, however navigation on the Periodic Table could be improved. There are no specific timings to complete individual keystrokes, unless the interaction genuinely depends on a specific path or movement. Guidance on using the Periodic Table is available in the Help Centre. The chemical structure drawing tool relies on mouse control to select pre-determined structure elements. The drawing tool does not support freehand drawing with a mouse or provide a keyboard drawing method. However, users can import a structure from a file or paste an InChI, SMILES or SMARTS. There are also text search fields, which include the chemical name, molecular formula, CAS registry number, and melting point. Guidance on using the Chemical Structure Search is available via the Help question mark icon on the "Chemical Search" page, or within the "Help" section. Issue CRC-A11Y-00022: Periodic Table not navigable by Arrow Keys The Periodic Table can only be navigated using the Tab key, which is inefficient for a grid-like structure. This creates usability challenges for keyboard users, as navigating through a grid element-by-element with the Tab key is slow and unintuitive.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
2.1.1 Keyboard continued	Partially Supports	Issue CRC-A11Y-00023: Element information (Periodic Table) The Periodic Table's central information box cannot be accessed via keyboard, and its changing content is not announced to screen readers. Users must press Return to open the full information page, but navigating this page is clunky and unintuitive. Sections lack proper headings, making it hard for assistive technology users to navigate. Current keyboard behaviour with NVDA screen reader: 1. Press Return to open full information page. 2. NVDA automatically reads out the information as a single string. 3. Arrow Key down to navigate the data - NVDA announces "Blank" and focus is unmoved. 4. Press Tab to reach the "Close button" (announced). 5. Down Arrow Key to access information. 6. Press "H" to navigate by section headings - NVDA announces "no next heading" 7. Press "T" to navigate by table - NVDA moves between element and properties tables (skipping "general information" section). Note - also see: • 2.4.3 Focus order (issue CRC-A11Y-00020).

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>2.1.2 No Keyboard Trap</u> (Level A) Also applies to: EN 301 549 Criteria • 9.2.1.2 (Web) • 10.2.1.2 (Non-web document) • 11.2.1.2 (Open Functionality Software) • 11.2.1.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	There are no situations where you enter a modal with the keyboard and can't get back to where you were.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>2.1.4 Character Key Shortcuts</u> (Level A 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.2.1.4 (Web) • 10.2.1.4 (Non-web document) • 11.2.1.4.1 (Open Functionality Software) • 11.2.1.4.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Not Applicable	There are no keyboard shortcuts used on this site.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>2.2.1 Timing Adjustable</u> (Level A) Also applies to: EN 301 549 Criteria • 9.2.2.1 (Web) • 10.2.2.1 (Non-web document) • 11.2.2.1 (Open Functionality Software) • 11.2.2.1 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	The time limit is longer than 20 hours. Users will not be timed-out of the site until 24 hours of non-activity.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>2.2.2 Pause, Stop, Hide</u> (Level A) Also applies to: EN 301 549 Criteria • 9.2.2.2 (Web) • 10.2.2.2 (Non-web document) • 11.2.2.2 (Open Functionality Software) • 11.2.2.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	There is no moving, blinking, scrolling, or auto-updating content on the site.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>2.3.1 Three Flashes or Below Threshold</u> (Level A) Also applies to: EN 301 549 Criteria • 9.2.3.1 (Web) • 10.2.3.1 (Non-web document) • 11.2.3.1 (Open Functionality Software) • 11.2.3.1 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	There is no flashing content on the site.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>2.4.1 Bypass Blocks</u> (Level A) Also applies to: EN 301 549 Criteria • 9.2.4.1 (Web) • 10.2.4.1 (Non-web document) – Does not apply • 11.2.4.1 (Open Functionality Software) – Does not apply • 11.2.4.1 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs	Partially Supports	Whilst the site does not provide a "Skip to main content" link on each page, to bypass the top navigation, upon opening a search page, the keyboard focus is taken directly to the first entry control. Landmarks define core parts of the page to support quick navigation with assistive technologies. Issue CRC-A11Y-00015: Text not included in an ARIA landmark Important content on the Periodic Table, Search Document, and Tour and Help pages is not included in ARIA landmarks. This makes it harder for users relying on assistive technologies, like screen readers, to navigate the pages. Issue CRC-A11Y-00025: Page sections with the same name do not serve the same purpose Several pages on the website contain multiple landmarks named "navigation". This creates confusion for screen reader users, as they cannot differentiate between the landmarks to navigate efficiently to the desired section. Unique accessible names, such as "Main Navigation," and "Secondary Navigation", are needed to improve clarity and usability. For example: 1. Periodic Table 2. Search document 3. Tour and Help

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
2.4.1 Bypass Blocks continued	Partially Supports	Best practice issue CRC-A11Y-00016: Skip to main content link is missing No pages on the site have a "skip to main content" link, which can make it harder for users relying on assistive technologies or keyboard navigation to bypass repetitive navigation and access the main content. While some pages, like the Contents Search page, automatically focus on the first search field, this is inconsistent and does not replace the need for a proper skip link across the site's pages.
2.4.2 Page Titled (Level A) Also applies to: EN 301 549 Criteria • 9.2.4.2 (Web) • 10.2.4.2 (Non-web document) • 11.2.4.2 (Open Functionality Software) - Does not apply • 11.2.4.2 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Each page has a title element to let users know where they are and what type of content to expect. Where pages shared generic titles such "CHEMnetBase" or "Handbook for Chemistry & Physics", these have been fixed. For example, the Periodic Table is now titled "CHEMnetBASE - Periodic Table" (previously "CHEMnetBASE"). Note – also see: • 1.3.1 Info and Relationships (issue CRC-A11Y-00009).

2.4.3 Focus Order (Level A) Also applies to: EN 301 549 Criteria • 9.2.4.3 (Web) • 10.2.4.3 (Non-web document) • 11.2.4.3 (Open Functionality Software) • 11.2.4.3 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Focusable elements mainly receive focus in an order that preserves meaning and operability. When a keyboard user tabs through a page, the order goes from top to bottom and left to right, as you would read the page. Guidance on using the site with a keyboard is available in the Help Centre. Issue CRC-A11Y-00020: Keyboard focus is not returned to meaningful element - interrupting the user journey In the Periodic Table interface, when the user presses Return on an element, the full information page opens. When closing the full information page, the keyboard focus is incorrectly placed on a footer link instead of returning to the previously focused element in the table. • Note – also see: 2.1.1 Keyboard (issue CRC-A11Y-00022). Issue CRC-A11Y-00011: Navigation focus and reading order does not match visual layout: The top navigation menu may feel confusing because the order in which you move through the menu using a keyboard (Tab key) doesn't match how it appears visually. This can make it harder to find what you're looking for, especially if you rely on a keyboard or assistive technologies to navigate. • Note – also see: Also see 1.3.2 Meaningful Sequence (CRC-A11Y-00011)
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Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>2.4.4 Link Purpose (In Context)</u> (Level A) Also applies to: EN 301 549 Criteria • 9.2.4.4 (Web) • 10.2.4.4 (Non-web document) • 11.2.4.4 (Open Functionality Software) • 11.2.4.4 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	For some links, their destination is clear from either the link text itself or the surrounding sentence context. The hamburger menu button, which toggles the side menu on the left-hand side of the screen, now has an accessible name. The shopping cart link on the landing page now has an accessible name. Issue CRC-A11Y-00021: Links use full URLs instead of meaningful anchor text Many pages have links written as full URLs instead of descriptive text, making them hard to understand for users with disabilities. Screen reader users may struggle with lengthy URLs, and speech software users may find it difficult to interact with links. Examples: • Properties of the solar system • Properties of refrigerants • Scientific abbreviations

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>2.5.1 Pointer Gestures</u> (Level A 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.2.5.1 (Web) • 10.2.5.1 (Non-web document) • 11.2.5.1 (Open Functionality Software) • 11.2.5.1 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Supports	Author-created functionality within the web content that requires actions to be carried out using a gesture (such as swiping or pinching), or drawing, can also be done by alternative input methods. This does not affect gestures built into device operating systems such as iOS and Android, assistive technology, or browsers. The chemical structure drawing tool relies on mouse control to select pre-determined structure elements. The drawing tool does not support freehand drawing with a mouse or provide a keyboard drawing method. However, users can import a structure from a file or paste an InChI, SMILES or SMARTS. There are also text search fields, which include the chemical name, molecular formula, CAS registry number, and melting point. Guidance on using the Chemical Structure Search is available via the Help question mark icon on the "Chemical Search" page, or within the "Help" section.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>2.5.2 Pointer Cancellation</u> (Level A 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.2.5.2 (Web) • 10.2.5.2 (Non-web document) • 11.2.5.2 (Open Functionality Software) • 11.2.5.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Supports	Functions that use a single pointer are completed when the user releases the pointer. For example, pressing a button, is triggered on mouse-up. The chemical structure drawing tool relies on mouse control to select pre-determined structure elements. The drawing tool does not support freehand drawing with a mouse or provide a keyboard drawing method. However, users can import a structure from a file or paste an InChI, SMILES or SMARTS. There are also text search fields, which include the chemical name, molecular formula, CAS registry number, and melting point. Guidance on using the Chemical Structure Search is available via the Help question mark icon on the "Chemical Search" page, or within the "Help" section.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>2.5.3 Label in Name</u> (Level A 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.2.5.3 (Web) • 10.2.5.3 (Non-web document) • 11.2.5.3.1 (Open Functionality Software) • 11.2.5.3.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Partially Supports	Components with labels that include text or images of text, have a corresponding accessible name that begins with the text that is presented visually. Issue CRC-A11Y-00012: Visible label and accessible name do not match: tooltips missing from Periodic Table and Bookmarks icons The icons for "Periodic Table" (labelled as "Pt") and "Bookmarks" (labelled as "Ribbon") do not have tooltips, which may confuse users unfamiliar with the icons. While the accessible names are correct and meaningful for assistive technology users, adding tooltips would make the site easier to use for everyone. • Note - also see: 1.3.3. Sensory Characteristics (issue CRC-A11Y-00012)

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>2.5.4 Motion Actuation</u> (Level A 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.2.5.4 (Web) • 10.2.5.4 (Non-web document) • 11.2.5.4 (Open Functionality Software) • 11.2.5.4 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Supports	There is no reliance on author-created gestures within the web content that require device motion, like shaking or tilting, to carry out an action. Such as shake to refresh, tilt controls for games, gesture recognition through camera. This does not affect motion features built into device operating systems such as iOS and Android, assistive technologies, or browsers.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>3.1.1 Language of Page</u> (Level A) Also applies to: EN 301 549 Criteria • 9.3.1.1 (Web) • 10.3.1.1 (Non-web document) • 11.3.1.1.1 (Open Functionality Software) • 11.3.1.1.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	The page language is identified as English (non-region specific) using the lang attribute in the HTML element (en).

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
3.2.1 On Focus (Level A) Also applies to: EN 301 549 Criteria • 9.3.2.1 (Web) • 10.3.2.1 (Non-web document) • 11.3.2.1 (Open Functionality Software) • 11.3.2.1 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	When a component receives focus it does not trigger an unexpected change of context; such as submitting a form, navigating to a new page, or opening a popup.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
3.2.2 On Input (Level A) Also applies to: EN 301 549 Criteria • 9.3.2.2 (Web) • 10.3.2.2 (Non-web document) • 11.3.2.2 (Open Functionality Software) • 11.3.2.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	On a desktop there are no unexpected changes of context on user input. Changing the value of a form control does not automatically cause a change of context, unless the user has been warned. Note: We recommend accessing the site on a desktop device (PC, laptop, or Mac) for the best experience. While the site has been optimised to function on mobile devices where possible, certain third-party components beyond our control (e.g., chemical structure searching) may limit full accessibility on mobile platforms. <i>As a result, you may encounter the following issue(s).</i> Issue CRC-A11Y-00038: Left-hand content menu requires repeated reopening (mobile) On mobile devices, the burger menu opens the left-hand content menu, but when a user selects a link, the menu automatically closes. This makes it hard to access sub-menu items, as users must reopen the burger menu repeatedly.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
3.2.6 Consistent Help (Level A 2.2 only) EN 301 549 Criteria – Does not apply Revised Section 508 – Does not apply	Partially Supports	The persistent footer contains links to "Help" and "Contact Us". "Help" takes users to an area of the site with guidance on how to use the database, its tables and chemical structure tools to best understand and interpret the information. There is also information on how to use the site with a keyboard. The "Contact Us" opens a new email, for users to contact support@taylorfrancis.com The postal address, and email can also be found under "Troubleshooting" in the "Help" section. Issue CRC-A11Y-00031: "Contact Us" link lacks clarity and comprehensive contact information The "Contact Us" link, shown as an envelope icon, opens a blank email instead of a page with full contact details. This may confuse users expecting more information. While some details are under "Troubleshooting" in the "Help" section, no phone number is provided. A dedicated "Contact Us" page with all contact options would improve usability.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>3.3.1 Error Identification</u> (Level A) Also applies to: EN 301 549 Criteria • 9.3.3.1 (Web) • 10.3.3.1 (Non-web document) • 11.3.3.1.1 (Open Functionality Software) • 11.3.3.1.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Errors are automatically detected and clearly indicated and described to the user. Error messages are provided as text and mostly announced for assistive devices. Issue CRC-A11Y-00050: Error message on form submission is not announced to screen readers When the Change Password form is submitted with errors, the error message is displayed to the right of the form but is not announced to screen readers. This makes it hard for users with visual impairments to know what went wrong and how to fix it. • Note - also see: 4.1.3 Status Messages (issue CRC-A11Y-00050)

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>3.3.2 Labels or Instructions</u> (Level A) Also applies to: EN 301 549 Criteria • 9.3.3.2 (Web) • 10.3.3.2 (Non-web document) • 11.3.3.2 (Open Functionality Software) • 11.3.3.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Help is provided to prevent form errors, ensuring users know what information is expected. Sometimes the label is enough on its own, elsewhere additional hint text or instructions are provided. The Document Search and Chemical Search pages have Help links (question mark in circle) to take users to the Help Centre for support. These have accessible names and are announced by screen readers. Their form field labels have accessible names in place and are announced by screen readers. Issue CRC-A11Y-00048: Field labels not meaningfully announced to screen readers - change password The Change Password form is difficult to use for screen reader users because the field labels do not have accessible names. Instead, they are announced as "Row 2. Reset the password for [user email]. Column 2." and "Row 3. Reset the password for [user email]. Column 2," which is confusing. • Note - also see: 4.1.3 Status Messages (issue CRC-A11Y-00048)

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
3.3.2 Labels or Instructions continued	Partially Supports	Issue CRC-A11Y-00049: Password format guidance is not provided before form submission The Change Password form does not show the password requirements (six digits, at least one uppercase, one lowercase, and one number) until after an error is made. Note - also see: 1.3.5. Identify Input Purpose (issue CRC-A11Y-00051)
3.3.7 Redundant Entry (Level A 2.2 only) EN 301 549 Criteria – Does not apply Revised Section 508 – Does not apply	Supports	Forms do not ask users to enter the same information more than once in a single session; unless the information is essential, no longer valid, or for security purposes.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
4.1.1 Parsing (Level A) Applies to: - WCAG 2.0 and 2.1 – Always answer ‘Supports’ - WCAG 2.2 (obsolete and removed) - Does not apply EN 301 549 Criteria 9.4.1.1 (Web) 10.4.1.1 (Non-web document) 11.4.1.1.1 (Open Functionality Software) 11.4.1.1.2 (Closed Software) – Does not apply 11.8.2 (Authoring Tool) 12.1.2 (Product Docs) 12.2.4 (Support Docs) Revised Section 508 501 (Web) (Software) 504.2 (Authoring Tool) 602.3 (Support Docs)	Not Applicable	Note: this criterion has been removed from WCAG 2.2. HTML and browsers have improved at handling coding errors. And, assistive technology no longer parses the code directly, but now relies on the browser to do it, making this guideline outdated. Most issues it covered will now fall under WCAG 1.3.1 Info and Relationships or WCAG 4.1.2 Name, Role, Value criteria.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
<u>4.1.2 Name, Role, Value</u> (Level A) Also applies to: EN 301 549 Criteria • 9.4.1.2 (Web) • 10.4.1.2 (Non-web document) • 11.4.1.2.1 (Open Functionality Software) • 11.4.1.2.2 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Some user interface elements and components have the right names, roles, states, properties and values so they're recognized correctly by assistive technologies. Issue CRC-A11Y-00030: Kebab Menu (:) lacks an accessible name When the top navigation bar collapses into a Kebab menu (:) on smaller screens or when zoomed in, the menu is announced by screen readers as "Side bar link," which is unclear and unhelpful for users relying on assistive technologies. Users may not understand the purpose of the menu or how to interact with it. • Note - also see: 1.1.1 Non-text Content, 2.4.4 Link Purpose, 4.1.2 Name, Role, Value, and 1.4.10 Reflow Issue CRC-A11Y-00029: Table column sorting links lack accessible names/labels The table column sorting links on the chemical search results page lack accessible names or labels, making them invisible to screen readers and inaccessible to users relying on assistive technologies.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
4.1.2 Name, Role, Value continued	Partially Supports	Issue CRC-A11Y-00013: Missing label for form elements Some form elements on the site lack descriptive text labels, making them inaccessible to users relying on assistive technologies. • The "AND/OR" combobox in Search Documents does not have a label. • On the Log in page, the "Remember Me" checkbox does not have an accessible name, and a hidden element is improperly coded. Issue CRC-A11Y-00032: Expanded/collapsed menu states are not announced to screen readers The expanded or collapsed state of menu items is visually represented by chevron icons, but this information is not conveyed to screen readers. For example, this affects the "Contents" menu and the "And/Or" drop-down menu in the "Search documents" form, making it difficult for users relying on assistive technologies to navigate and interact with these menus.

Criteria WGAG 2.2 Level A	Conformance Level	Remarks and Explanations
4.1.2 Name, Role, Value continued	Partially Supports	Issue CRC-A11Y-00033: Checkboxes are not programmatically associated with a name/label The checkboxes in the search results tables can be checked or unchecked, but they are not clearly associated with a name or label. This makes it difficult for users relying on assistive technologies to understand what they are selecting. Users must navigate to another column to identify the chemical name linked to each checkbox. Additionally, there is no clear action, such as a confirm button, to proceed with their selection. Adding labels and a confirm button will make the selection process clearer and more accessible. Example pages: • Chemical search • Document search, interactive table

Table 2: Success Criteria, Level AA

Notes:

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>1.2.4 Captions (Live)</u> (Level AA) Also applies to: EN 301 549 Criteria • 9.1.2.4 (Web) • 10.1.2.4 (Non-web document) • 11.1.2.4 (Open Functionality Software) • 11.1.2.4 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	There is no live media hosted via this site.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>1.2.5 Audio Description</u> <u>(Prerecorded)</u> (Level AA) Also applies to: EN 301 549 Criteria • 9.1.2.5 (Web) • 10.1.2.5 (Non-web document) • 11.1.2.5 (Open Functionality Software) • 11.1.2.5 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Not Applicable	There is no video content on the site.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>1.3.4 Orientation</u> (Level AA 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.1.3.4 (Web) • 10.1.3.4 (Non-web document) • 11.1.3.4 (Open Functionality Software) • 11.1.3.4 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Partially Supports	Content is not restricted to a single-display orientation (portrait / landscape), unless a specific display orientation is essential to how the content functions. However, the user experience is poor due to reflow issues. Note: We recommend accessing the site on a desktop device (PC, laptop, or Mac) for the best experience. While the site has been optimised to function on mobile devices where possible, certain third-party components beyond our control (e.g., chemical structure searching) may limit full accessibility on mobile platforms. <i>As a result, you may encounter the following issue(s).</i> Issue CRC-A11Y-00036: Chemical search results table is difficult to use and data is unreadable (mobile) The chemical search results table does not display properly on mobile devices, making it hard to read the data and use the scroll bar. While tables are allowed to use horizontal and vertical scrolling, the narrow display window and difficult-to-use scroll bar create significant usability challenges. • Note - also see: 1.4.10 Reflow (issue CRC-A11Y-00036)

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>1.3.4 Orientation</u> (Level AA 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.1.3.4 (Web) • 10.1.3.4 (Non-web document) • 11.1.3.4 (Open Functionality Software) • 11.1.3.4 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Partially Supports	Issue CRC-A11Y-00035: Persistent site footer and document search page do not reflow (mobile) The footer and document search page do not adapt to smaller screens or high zoom levels. In the footer, the T&F logo is cut off, and users must scroll horizontally to view the entire panel. On the document search page, the form also requires horizontal scrolling to fully view. • Note - also see: 1.4.10 Reflow (issue CRC-A11Y-00035) Issue CRC-A11Y-00034: Footer links on login page overlap, making some illegible (mobile) When viewed on a mobile device, the footer links on the login page overlap, making some of the text hard to read. This can make it difficult for users to identify or interact with the links. • Note - also see: 1.4.10 Reflow (issue CRC-A11Y-00034)

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>1.3.5 Identify Input Purpose</u> (Level AA 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.1.3.5 (Web) • 10.1.3.5 (Non-web document) • 11.1.3.5.1 (Open Functionality Software) • 11.1.3.5.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Partially Supports	Most form fields across the site are for search, rather than personal data, and therefore do not offer auto-complete suggestions Issue CRC-A11Y-00051: Auto-complete suggestions for saved passwords on the Change Password form The Change Password form shows auto-complete suggestions for passwords the user has saved before. This can be confusing and may expose sensitive information if the device is shared. Note - also see: • 3.3.2. Labels or Instructions (issue CRC-A11Y-00049)

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>1.4.3 Contrast (Minimum)</u> (Level AA) Also applies to: EN 301 549 Criteria • 9.1.4.3 (Web) • 10.1.4.3 (Non-web document) • 11.1.4.3 (Open Functionality Software) • 11.1.4.3 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	The visual presentation of most body text and images of text has a contrast ratio of at least 4.5:1. Large-scale text and images of large-scale text have a contrast ratio of at least 3:1. Text that is part of a logo or brand name has no minimum contrast requirement. The colour of the cookie policy buttons has been improved, and they now have a contrast ratio of 14.9:1 (previously 4.4:1). Issue CRC-A11Y-00047: Error messages lack sufficient colour contrast Error messages on the Document Search and Chemical Search pages are presented in red text (#C13435) on a pink background (#FFCDD2), contrast ratio 3.9:1. Issue CRC-A11Y-00040: Left-hand navigation has insufficient colour contrast The text in the left-hand navigation menu (Search, Periodic Table, Contents) is hard to read because the grey text doesn't stand out enough against the black background. Contrast ratio is 3.49:1.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
1.4.3 Contrast (Minimum) continued	Partially Supports	Issue CRC-A11Y-00041: Periodic table has insufficient colour contrast The periodic table has insufficient colour contrast between most of the text and background (from 3.5:1 to 5.1:1), as well as between blocks and the surrounding white background (from 1.6:1 to 2.4:1). The table also relies only on colour coding to differentiate sections, which may make it difficult for users who are colour blind. Note - also see: 1.4.11 Non-text contrast. (issue CRC-A11Y-00041).

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
1.4.4 Resize text (Level AA) Also applies to: EN 301 549 Criteria • 9.1.4.4 (Web) • 10.1.4.4 (Non-web document) • 11.1.4.4.1 (Open Functionality Software) • 11.1.4.4.2 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Text on a web page can be resized up to 200% without distorting the layout, without loss of content or functionality, except for captions and images of text. This allows users who need larger text to read comfortably without the need for additional assistive tools like screen magnifiers. Note: We recommend accessing the site on a desktop device (PC, laptop, or Mac) for the best experience. While the site has been optimised to function on mobile devices where possible, certain third-party components beyond our control (e.g., chemical structure searching) may limit full accessibility on mobile platforms. <i>As a result, you may encounter the following issue(s).</i> Issue CRC-A11Y-00014: Page zoom is restricted The site prevents users from zooming or resizing text on mobile devices, making it harder for people with visual impairments or motor disabilities to adjust the layout for better readability. Additionally, the site doesn't adapt well to smaller screen sizes, which limits accessibility for users on small devices. • Note - also see: 1.4.10 Reflow (issue CRC-A11Y-00014).

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>1.4.5 Images of Text</u> (Level AA) Also applies to: EN 301 549 Criteria • 9.1.4.5 (Web) • 10.1.4.5 (Non-web document) • 11.1.4.5.1 (Open Functionality Software) • 11.1.4.5.2 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Text is presented as actual text, rather than images of text. Images of text are only used when they are essential (such as a logo, or brand name), or when users can customise its appearance.

1.4.10 Reflow (Level AA 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.1.4.10 (Web) • 10.1.4.10 (Non-web document) • 11.1.4.10 (Open Functionality Software) • 11.1.4.10 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Partially Supports	Content throughout the site is mostly reflowable and responsive on a desktop device, remaining readable and usable without requiring horizontal scrolling for text or controls. Issue CRC-A11Y-00035: Persistent site footer and document search page do not reflow The footer and document search page do not adapt to smaller screens or high zoom levels. In the footer, the T&F logo is cut off, and users must scroll horizontally to view the entire panel. On the document search page, the form also requires horizontal scrolling to fully view. • Note - also see: 1.3.4 Orientation (issue CRC-A11Y-00035) Note: We recommend accessing the site on a desktop device (PC, laptop, or Mac) for the best experience. While the site has been optimised to function on mobile devices where possible, certain third-party components beyond our control (e.g., chemical structure searching) may limit full accessibility on mobile platforms. <i>As a result, you may encounter the following issue(s).</i> Issue CRC-A11Y-00034: Footer links on login page overlap, making some illegible (mobile) When viewed on a mobile device, the footer links on the login page overlap, making some of the text hard to read. This can make it difficult for users to identify or interact with the links. • Note - also see: 1.3.4 Orientation (issue CRC-A11Y-00034).
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Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
1.4.10 Reflow continued	Partially Supports	Issue CRC-A11Y-00036: Chemical search results table is difficult to use and data is unreadable (mobile) The chemical search results table does not display properly on mobile devices, making it hard to read the data and use the scroll bar. While tables are allowed to use horizontal and vertical scrolling, the narrow display window and difficult-to-use scroll bar create significant usability challenges. Note - also see: 1.3.4 Orientation (issue CRC-A11Y-00036) Issue CRC-A11Y-00014: Page zoom is restricted The site prevents users from zooming or resizing text on mobile devices, making it harder for people with visual impairments or motor disabilities to adjust the layout for better readability. Additionally, the site doesn't adapt well to smaller screen sizes, which limits accessibility for users on small devices. Note - also see: 1.4.4. Resize text (issue CRC-A11Y-00014) Issue CRC-A11Y-00037: Reflow issue causing poor visibility of burger and kebab menus in mobile header navigation (mobile) When viewed on mobile/smaller screens, the white burger and kebab menu icons in the header navigation are difficult to see because they are no longer displayed within the blue banner section on mobile devices. This happens because the layout doesn't adjust properly to smaller screens.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
1.4.11 Non-text Contrast (Level AA 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.1.4.11 (Web) • 10.1.4.11 (Non-web document) • 11.1.4.11 (Open Functionality Software) • 11.1.4.11 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Partially Supports	The following should have a minimum contrast ratio of 3:1 against adjacent colours, in their default, hover, or focussed states, • Usable components like form fields and buttons, and graphics like pie charts and line graphs • Interactive graphical elements, such as icons and symbols, to clearly identify actionable elements. • Borders that define the shape or boundary of interactive components, such as buttons and form fields. • Graphics that convey meaning, or are required to understand content, so users can understand their purpose. Filters are available in the left-hand menu for use with the Periodic Table. Example, users can select to view a particular Block, Group, Period, block S, Group 6, etc., and the non-required elements boxes will be greyed out. However, this approach may not be perceivable for all users, particularly those with colour blindness. Issue CRC-A11Y-00041: Periodic table has insufficient colour contrast The periodic table has insufficient colour contrast between most of the text and background (from 3.5:1 to 5.1:1), as well as between blocks and the surrounding white background (from 1.6:1 to 2.4:1). The table also relies only on colour coding to differentiate sections, which may make it difficult for users who are colour blind. • Note - also see: 1.4.3: Contrast Minimum (issue CRC-A11Y-00041).

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
1.4.11 Non-text Contrast continued	Partially Supports	Issue CRC-A11Y-00042: Double border focus indicator has insufficient contrast When edit fields, combo boxes and footer buttons have keyboard focus, they receive a double border focus indicator. Think of it like an onion: outer layer is a white background, then into a light blue border, then a dark blue border, and the white field or button in the centre. Footer buttons: - The light blue border (A3D2F8) fails contrast against the white page background (1.6:1). - Note: there is a tooltip "Help and Tour", etc. visible. Form edit fields and combo boxes: - The light blue border (A3D2F8) fails contrast against the white page background (1.6:1). - Note: the cursor bar is also placed in the edit field, and a tooltip is visible.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
1.4.11 Non-text Contrast continued	Partially Supports	Issue CRC-A11Y-00046: Insufficient contrast - focus state property value buttons When the property value buttons have keyboard focus, they receive a border focus indicator that is a lighter shade of the button (i.e. a green button receives a light green border). Tooltips are available for all property value buttons. Note – also see: 2.4.7 Focus Visible (issue CRC-A11Y-00046). Green buttons: - Light green border (C2E0A8) against white page background. Ratio 1.4:1. - Light green border (C2E0A8) against green button (689F38). Ratio 2.2:1. Grey buttons: - Light grey border (BECCD2) against white page background. Ratio 1.6:1. - Light grey border (BECCD2) against grey button (607D8B). Ratio 2.7:1. Red buttons: - Pink border (EDACAC) against white page background. Ratio 1.9:1. - Pink border (EDACAC) against red button (D32F2F). Ratio 2.6:1.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
1.4.11 Non-text Contrast continued	Partially Supports	Issue CRC-A11Y-00043: Insufficient contrast - inactive state edit field borders Inactive state edit field borders on the Log In and Content Search pages are difficult to see due to insufficient contrast against the white background. This can make it harder for users with low vision to identify form fields when they are not hovered over or focused. Note – also see: 2.4.7 Focus Visible (issue CRC-A11Y-00043). Log In page - Inactive grey border (A6A6A6) against white background and edit field (FFFFFF). Ratio 2.4:1. - Note: hover and keyboard focus pass (ratio 16.1:1, and 4.4:1). Content Search - Inactive grey border (CED4DA) against white background and edit field (FFFFFF). Ratio 1.5:1. - Note: hover focus state passes (ratio 3.4:1), whilst keyboard focus state fails (ratios 1.6:1 to 5.4:1).

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
1.4.11 Non-text Contrast continued	Partially Supports	Issue CRC-A11Y-00044: Insufficient contrast - focus state blue buttons The light blue border used to indicate focus on blue buttons does not have enough contrast against the white background, making it difficult for users with visual impairments to perceive the button's focus state. This affects Open Rich Text Editor, Search buttons, Navigation buttons. • Note – also see: 2.4.7 Focus Visible (issue CRC-A11Y-00044). • The light blue border (A3D2F8) fails contrast against the white page background (1.6:1). • A tooltip such as "Open Rich Text Editor / Search" is visible. Issue CRC-A11Y-00045: Insufficient contrast - focus state white buttons When white buttons receive focus, they display a double bordered focus indicator. Think of it like an onion: outer layer is a white background, then into a light blue border, then a light grey border, and the white button in the centre. • Note – also see: 2.4.7 Focus Visible (issue CRC-A11Y-00045). • Light blue (85BEEA) border against white page background. Ratio 2:1. • Light blue (85BEEA) with light grey border (CED4DA). Ratio 1.3:1. • Light grey border (CED4DA) against white button. Ratio 1.5:1. • Some buttons have a tooltip – such as "Exact" and "Not Substr.", whilst others like "Tautomers" don't have a tooltip.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
1.4.12 Text Spacing (Level AA 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.1.4.12 (Web) • 10.1.4.12 (Non-web document) • 11.1.4.12 (Open Functionality Software) • 11.1.4.12 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Supports	Users can increase letter, word, line, and paragraph spacing without cutting off content or breaking functionality. Ensuring users can make the text more readable while keeping the original page design and layout intact. The following are all supported for text throughout the website: • Line height (line spacing) to at least 1.5 times the font size; • Spacing following paragraphs to at least 2 times the font size; • Letter spacing (tracking) to at least 0.12 times the font size; • Word spacing to at least 0.16 times the font size.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>1.4.13 Content on Hover or Focus</u> (Level AA 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.1.4.13 (Web) • 10.1.4.13 (Non-web document) • 11.1.4.13 (Open Functionality Software) • 11.1.4.13 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Supports	When new content appears, which has been triggered by hover or keyboard focus, such as tooltips, sub-menus, or pop-up, users are able to: • Dismiss it. • Interact with it, without it disappearing. • Have enough time to read or engage with it.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>2.4.5 Multiple Ways</u> (Level AA) Also applies to: EN 301 549 Criteria • 9.2.4.5 (Web) • 10.2.4.5 (Non-web document) – Does not apply • 11.2.4.5 (Open Functionality Software) – Does not apply • 11.2.4.5 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs	Supports	Header navigation is not the only way to get around a website; there are other ways, such as on-page links, left-hand menu, searches for documents and chemical structures, and consistent footer links.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>2.4.6 Headings and Labels</u> (Level AA) Also applies to: EN 301 549 Criteria • 9.2.4.6 (Web) • 10.2.4.6 (Non-web document) • 11.2.4.6 (Open Functionality Software) • 11.2.4.6 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	Most headings are descriptive and effectively summarize sections of content. Form labels clearly describe what information is required. Buttons inform the user what will happen when they're pressed. Issue CRC-A11Y-00010: Heading is not descriptive Heading 1, "Tour and Help", would benefit from a more descriptive title, such as "Help centre: features, tools, and troubleshooting" to best describe the wide range of resources on the page. The Help Centre icon in the footer should be updated to a question mark in a circle, which is a more recognisable universal design, and its tooltip should be updated to "Help centre" for better accessibility. • Note - also see: 1.3.1: Info and Relationships (issue CRC-A11Y-00010)

2.4.7 Focus Visible (Level AA) Also applies to: EN 301 549 Criteria • 9.2.4.7 (Web) • 10.2.4.7 (Non-web document) • 11.2.4.7 (Open Functionality Software) • 11.2.4.7 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Partially Supports	All elements that receive keyboard focus have a focus indicator, however due to contrast issues they may not be visible for some users. The visible focus indicator may take different forms, such as to visually change the button, place a cursor bar in the text field, or outline the element. Many elements display tooltips when they receive mouse or keyboard focus. Issue CRC-A11Y-00043: Insufficient contrast - inactive state edit field borders Inactive state edit field borders on the Log In and Content Search pages are difficult to see due to insufficient contrast against the white background. This can make it harder for users with low vision to identify form fields when they are not hovered over or focused. • Note –for full details see: 1.4.11 Non-text Contrast (issue CRC-A11Y-00043). Issue CRC-A11Y-00044: Insufficient contrast - focus state blue buttons The light blue border used to indicate focus on blue buttons does not have enough contrast against the white background, making it difficult for users with visual impairments to perceive the button's focus state. This affects Open Rich Text Editor, Search buttons, Navigation buttons. • Note –for full details see: 1.4.11 Non-text Contrast (issue CRC-A11Y-00044).
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Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
2.4.7 Focus Visible continued	Partially Supports	Issue CRC-A11Y-00045: Insufficient contrast - focus state white buttons When white buttons receive focus, they display a double bordered focus indicator. Think of it like an onion: outer layer is a white background, then into a light blue border, then a light grey border, and the white button in the centre. Note – for full details see: 1.4.11 Non-text Contrast (issue CRC-A11Y-00045). Issue CRC-A11Y-00046: Insufficient contrast - focus state property value buttons When the property value buttons have keyboard focus, they receive a border focus indicator that is a lighter shade of the button (i.e. a green button receives a light green border). Tooltips are available for all property value buttons. Note – for full details see: 1.4.11 Non-text Contrast (issue CRC-A11Y-00046).
2.4.11 Focus Not Obscured (Minimum) (Level AA 2.2 only) EN 301 549 Criteria – Does not apply Revised Section 508 – Does not apply	Supports	When a component receives keyboard focus it is always at least partially visible in the user’s browser window. It is never completely hidden behind other content such as sticky headers, footers, pop-ups or other modals.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
2.5.7 Dragging Movements (Level AA 2.2 only) EN 301 549 Criteria – Does not apply Revised Section 508 – Does not apply	Supports	The chemical structure drawing tool relies on mouse control to select pre-determined structure elements. The drawing tool does not support freehand drawing with a mouse or provide a keyboard drawing method. Users can import a structure from a file or paste an InChI, SMILES or SMARTS. There are also text search fields, which include the chemical name, molecular formula, CAS registry number, and melting point. Guidance on using the Chemical Structure Search is available via the Help question mark icon on the "Chemical Search" page, or within the "Help" section.
2.5.8 Target Size (Minimum) (Level AA 2.2 only) EN 301 549 Criteria – Does not apply Revised Section 508 – Does not apply	Supports	Clickable elements, such as buttons, links, and icons, are at least 24 × 24 pixels in size. Interactive elements in line with text, such as sentences or paragraphs, are an exception, since the line height limits the size.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>3.1.2 Language of Parts</u> (Level AA) Also applies to: EN 301 549 Criteria • 9.3.1.2 (Web) • 10.3.1.2 (Non-web document) • 11.3.1.2 (Open Functionality Software) – Does not apply • 11.3.1.2 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	When content includes text in a different language, that text is marked up with the appropriate lang attribute value, so that assistive technologies can detect and announce language changes to users, whilst using the correct pronunciation.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>3.2.3 Consistent Navigation</u> (Level AA) Also applies to: EN 301 549 Criteria • 9.3.2.3 (Web) • 10.3.2.3 (Non-web document) – Does not apply • 11.3.2.3 (Open Functionality Software) – Does not apply • 11.3.2.3 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs	Supports	Navigation is consistent from page to page, ensuring familiar features like menus, search bars, and footer links stay in the same place as users visit different pages across the site. Note - also see: • 2.4.3 Focus Order (CRC-A11Y-00011). • 1.3.2 Meaningful Sequence (CRC-A11Y-00011).

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>3.2.4 Consistent Identification</u> (Level AA) Also applies to: EN 301 549 Criteria • 9.3.2.4 (Web) • 10.3.2.4 (Non-web document) – Does not apply • 11.3.2.4 (Open Functionality Software) – Does not apply • 11.3.2.4 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) – Does not apply to non-web software • 504.2 (Authoring Tool) • 602.3 (Support Docs) – Does not apply to non-web docs	Supports	Components that have the same functionality are identified consistently throughout the website (they always look and work the same).

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>3.3.3 Error Suggestion</u> (Level AA) Also applies to: EN 301 549 Criteria • 9.3.3.3 (Web) • 10.3.3.3 (Non-web document) • 11.3.3.3 (Open Functionality Software) • 11.3.3.3 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Helpful suggestions are provided to help users correct errors, and identify required fields that were not completed. This helps prevent incorrect data being submitted, users abandoning the form due to confusion and frustration about the information/format required. The Document Search and Chemical Search errors are presented in red text in a pink box, with a secondary visual indicator (red cross in a circle). The Change Password errors are presented in black text in a pink box, with a secondary visual indicator (pink cross in a black circle). Note - also see: • 1.4.3 Contrast Minimum (issue CRC-A11Y-00047)

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>3.3.4 Error Prevention (Legal, Financial, Data)</u> (Level AA) Also applies to: EN 301 549 Criteria • 9.3.3.4 (Web) • 10.3.3.4 (Non-web document) • 11.3.3.4 (Open Functionality Software) • 11.3.3.4 (Closed Software) • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 • 501 (Web) (Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs)	Supports	Important forms like a legal agreement or submitting financial information offer the opportunity to check the information entered before submission. On the password reset form, users can choose to display or hide their password whilst typing.
<u>3.3.8 Accessible Authentication (Minimum)</u> (Level AA 2.2 only) EN 301 549 Criteria – Does not apply Revised Section 508 – Does not apply	Supports	Authentication is not required when completing and submitting forms.

Criteria WCAG 2.2 Level AA	Conformance Level	Remarks and Explanations
<u>4.1.3 Status Messages</u> (Level AA 2.1 and 2.2) Also applies to: EN 301 549 Criteria • 9.4.1.3 (Web) • 10.4.1.3 (Non-web document) • 11.4.1.3 (Open Functionality Software) • 11.4.1.3 (Closed Software) – Does not apply • 11.8.2 (Authoring Tool) • 12.1.2 (Product Docs) • 12.2.4 (Support Docs) Revised Section 508 – Does not apply	Partially Supports	Status messages like form errors, success pop-ups, progress updates, and cookie policy acceptance, are sometimes communicated to assistive technologies (such as being announced by a screen reader). Issue CRC-A11Y-00050: Error message on form submission is not announced to screen readers When the Change Password form is submitted with errors, the error message is displayed to the right of the form but is not announced to screen readers. This makes it hard for users with visual impairments to know what went wrong and how to fix it. • Note - also see: 3.3.1. Error Identification (issue CRC-A11Y-00050) Issue CRC-A11Y-00048: Field labels not meaningfully announced to screen readers - change password The Change Password form is difficult to use for screen reader users because the field labels do not have accessible names. Instead, they are announced as "Row 2. Reset the password for [user email]. Column 2." and "Row 3. Reset the password for [user email]. Column 2," which is confusing. • Note - also see: 3.3.2. Labels or Instructions (issue CRC-A11Y-00048)

Table 3: Success Criteria, Level AAA

Notes: Not evaluated for WCAG 2.0, 2.1, or 2.2 Level AAA conformance.

Revised Section 508 Report

Notes: n/a

Chapter 3: [Functional Performance Criteria \(FPC\)](#)

Notes: See Tables 1 and 2 for details on how each of the below criteria are met via WCAG standards.

Criteria Section 508 Chapter 3	Conformance Level	Remarks and Explanations
302.1 Without Vision Where a visual mode of operation is provided, there is at least one mode of operation that does not require user vision.	Partially Supports	The site can be partially perceived, operated, and understood by users without vision. Some of the very old documents in the archive section were not available as digital text and so have been included as images. These will not be readable by a screen reader. Issues: Refer to the WCAG table entries for 1.1.1, 1.3.1, 1.3.2, 1.3.3, 1.4.1, 2.1.1, 2.4.1, 2.4.3, 2.4.4, 2.4.6, 3.2.2, 3.3.1, 4.1.2.

Criteria Section 508 Chapter 3	Conformance Level	Remarks and Explanations
302.2 With Limited Vision Where a visual mode of operation is provided, there is at least one mode of operation that enables users to make use of limited vision.	Partially Supports	The site can be partially perceived, operated, and understood, by users with limited vision. Issues: Refer to the WCAG table entries for 1.1.1, 1.3.1, 1.3.2, 1.3.3, 1.4.1, 1.4.3, 1.4.4, 2.1.1, 2.4.1, 2.4.3, 2.4.4, 2.4.6, 2.4.7, 3.2.2, 3.3.1, 3.3.2, 4.1.2.
302.3 Without Perception of Colour Where a visual mode of operation is provided, there is at least one visual mode of operation that does not require user perception of colour.	Partially Supports	The site can be partially perceived, operated, and understood, by users without perception of colour. Issues: Refer to the WCAG table entries for 1.4.1, 1.4.3, 3.3.1.
302.4 Without Hearing Where there is an audible mode of operation, there is at least one mode of operation that does not require user hearing.	Partially Supports	The site can be partially perceived, operated, and understood, by users without hearing. Issues: Refer to the WCAG table entries for 1.1.1, 1.3.3.

Criteria Section 508 Chapter 3	Conformance Level	Remarks and Explanations
302.5 With Limited Hearing Where there is an audible mode of operation, there is at least one mode of operation that enables uses to make use of limited hearing.	Partially Supports	The site can be partially perceived, operated, and understood, by users with limited hearing. Issues: Refer to the WCAG table entries for 1.1.1, 1.3.3.
302.6 Without Speech Where speech is used for input, control, or operation, there is at least one mode of operation that does not require user speech.	Supports	The site can be perceived, operated, and understood, by users without speech.
302.7 With Limited Manipulation Where a manual mode of operation is provided, there is at least one mode of operation that does not require fine motor control or simultaneous manual operations.	Partially Supports	The site can be partially perceived, operated, and understood, by users with limited manipulation. Issues: Refer to the WCAG table entries for 2.1.1, 2.4.1, 2.4.3, 2.4.4, 2.4.6, 2.4.7, 4.1.2.
302.8 With Limited Reach and Strength Where a manual mode of operation is provided, there is at least one mode of operation that is operable with limited reach and limited strength.	Partially Supports	The site can be partially perceived, operated, and understood, by users with limited reach and strength. Issues: Refer to the WCAG table entries for 2.1.1, 2.4.1, 2.4.3, 2.4.4, 2.4.6, 2.4.7, 4.1.2.

Criteria Section 508 Chapter 3	Conformance Level	Remarks and Explanations
302.9 With Limited Language, Cognitive, and Learning Abilities There are features that make the site simpler and easier to use by individuals with limited cognitive, language, and learning abilities.	Partially Supports	The site can be partially perceived, operated, and understood, by users with limited cognitive, language, and learning abilities. By its nature the site consists of complex information which is difficult to present in a simpler format. Issues: Refer to the WCAG table entries for 1.1.1, 1.3.1, 1.3.2, 1.3.3, 1.4.1, 2.1.1, 2.4.1, 2.4.3, 2.4.4, 2.4.6, 2.4.7, 3.2.2, 3.3.1, 3.3.2, 4.1.2.

Chapter 4: [Hardware](#)

Notes: Not applicable. This is a website and does not include hardware to evaluate.

Chapter 5: [Software](#)

Notes: Not applicable. This is a website and does not include software to evaluate.

Chapter 6: [Support Documentation and Services](#)

Notes: n/a

Criteria Section 508 Chapter 6	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required

Criteria Section 508 Chapter 6	Conformance Level	Remarks and Explanations
<u>602 Support Documentation</u>	Heading cell – no response required	Heading cell – no response required
602.2 Accessibility and Compatibility Features Documentation lists and explains how to use the accessibility and compatibility features; includes guidance for features that are built-in features, and compatible with assistive technologies.	Supports	Help Centre - guidance on how to use the database, its tables and chemical structure tools to best understand and interpret the information. There is also information on how to use the site with a keyboard. Link to the Accessibility statement can be found in the site's persistent footer.
602.3 Electronic Support Documentation Documentation in electronic format, including web-based self-service support, meets WCAG A and AA criteria.	See WCAG 2.2 section	See information in WCAG 2.2 section
602.4 Alternate Formats for Non-Electronic Support Documentation Where support documentation is only provided in non-electronic formats, alternative formats are provided upon request.	Supports	The "Contact Us" link in the persistent footer opens a new email, for users to contact support@taylorfrancis.com The postal address, and email can be found under "Troubleshooting" in the Help Centre .
<u>603 Support Services</u>	Heading cell – no response required	Heading cell – no response required

Criteria Section 508 Chapter 6	Conformance Level	Remarks and Explanations
603.2 Information on Accessibility and Compatibility Features Support services include information on the accessibility and compatibility features required by 602.2.	Supports	Help Centre - guidance on how to use the database, its tables and chemical structure tools to best understand and interpret the information. There is also information on how to use the site with a keyboard. Link to the Accessibility statement can be found in the site's persistent footer.
603.3 Accommodation of Communication Needs There is a clear communication method for users, and those with communication needs will have these accommodated by the support services.	Partially Supports	The "Contact Us" link in the persistent footer opens a new email, for users to contact support@taylorfrancis.com The postal address, and email can be found under "Troubleshooting" in the Help Centre. Refer to the WCAG table entry for 3.2.6 Consistent Help, issue CRC-A11Y-00031.

EN 301 549 Report

Notes: n/a

Chapter 4: Functional Performance Statements (FPS)

Notes: See Tables 1 and 2 for details on how each of the below criteria are met via WCAG standards.

Criteria EN 301 549 Chapter 4	Conformance Level	Remarks and Explanations
4.2.1 Usage without vision Where a visual mode of operation is provided, there is at least one mode of operation that does not require user vision.	Partially Supports	The site can be partially perceived, operated, and understood by users without vision. Some of the very old documents in the archive section were not available as digital text and so have been included as images. These will not be readable by a screen reader. Issues: Refer to the WCAG table entries for 1.1.1, 1.3.1, 1.3.2, 1.3.3, 1.4.1, 2.1.1, 2.4.1, 2.4.3, 2.4.4, 2.4.6, 3.2.2, 3.3.1, 4.1.2.

Criteria EN 301 549 Chapter 4	Conformance Level	Remarks and Explanations
4.2.2 Usage with limited vision Where a visual mode of operation is provided, there is at least one mode of operation that enables users to make use of limited vision.	Partially Supports	The site can be partially perceived, operated, and understood, by users with limited vision. Issues: Refer to the WCAG table entries for 1.1.1, 1.3.1, 1.3.2, 1.3.3, 1.4.1, 1.4.3, 1.4.4, 2.1.1, 2.4.1, 2.4.3, 2.4.4, 2.4.6, 2.4.7, 3.2.2, 3.3.1, 3.3.2, 4.1.2.
4.2.3 Usage without perception of colour Where a visual mode of operation is provided, there is at least one visual mode of operation that does not require user perception of colour.	Partially Supports	The site can be partially perceived, operated, and understood, by users without perception of colour. Issues: Refer to the WCAG table entries for 1.4.1, 1.4.3, 3.3.1.
4.2.4 Usage without hearing Where there is an audible mode of operation, there is at least one mode of operation that does not require user hearing.	Partially Supports	The site can be partially perceived, operated, and understood, by users without hearing. Issues: Refer to the WCAG table entries for 1.1.1, 1.3.3.

Criteria EN 301 549 Chapter 4	Conformance Level	Remarks and Explanations
4.2.5 Usage with limited hearing Where there is an audible mode of operation, there is at least one mode of operation that enables uses to make use of limited hearing.	Partially Supports	The site can be partially perceived, operated, and understood, by users with limited hearing. Issues: Refer to the WCAG table entries for 1.1.1, 1.3.3.
4.2.6 Usage with no or limited vocal capability Where speech or other vocal prompt is used for input, control, or operation, there is at least one mode of operation that does not require user speech.	Supports	The site can be perceived, operated, and understood, by users without speech.
4.2.7 Usage with limited manipulation or strength Where a manual mode of operation is provided, there is at least one mode of operation that does not require fine motor control or simultaneous manual operations.	Partially Supports	The site can be partially perceived, operated, and understood, by users with limited manipulation or strength. Those with limited motor skills will find the drawing of chemical structures a challenge, however alternative methods are available such as importing SMILES codes and searching by chemical name, or molecular formula. Issues: Refer to the WCAG table entries for 2.1.1, 2.4.1, 2.4.3, 2.4.4, 2.4.6, 2.4.7, 4.1.2.

Criteria EN 301 549 Chapter 4	Conformance Level	Remarks and Explanations
4.2.8 Usage with limited reach Where a manual mode of operation is provided, there is at least one mode of operation that is operable with limited reach and limited strength.	Partially Supports	The site can be partially perceived, operated, and understood, by users with limited reach. Those with limited motor skills will find the drawing of chemical structures a challenge, however alternative methods are available such as importing SMILES codes and searching by chemical name, or molecular formula. Issues: Refer to the WCAG table entries for 2.1.1, 2.4.1, 2.4.3, 2.4.4, 2.4.6, 2.4.7, 4.1.2.
4.2.9 Minimize photosensitive seizure triggers Where there are visual modes of operation, there is at least one mode of operation that minimizes the potential for triggering photosensitive seizures.	Not Applicable	There is no flashing content on the site.

Criteria EN 301 549 Chapter 4	Conformance Level	Remarks and Explanations
4.2.10 Usage with limited cognition, language or learning There are features that make the site simpler and easier to use by individuals with limited cognitive, language, and learning abilities.	Partially Supports	The site can be partially perceived, operated, and understood, by users with limited cognitive, language, or learning. By its nature the site consists of complex information which is difficult to present in a simpler format. Issues: Refer to the WCAG table entries for 1.1.1, 1.3.1, 1.3.2, 1.3.3, 1.4.1, 2.1.1, 2.4.1, 2.4.3, 2.4.4, 2.4.6, 2.4.7, 3.2.2, 3.3.1, 3.3.2, 4.1.2.
4.2.11 Privacy The privacy of users is maintained when using accessibility features, and to the same level of privacy experienced by other users.	Supports	Important forms like a legal agreement or submitting financial information offer the opportunity to check the information entered before sending.

[Chapter 5: Generic Requirements](#)

Notes: Not applicable. Web requirements are evaluated in Chapter 9.

[Chapter 6: ICT with Two-Way Voice Communication](#)

Notes: Not applicable. Does not have two-way voice communication capabilities.

[Chapter 7: ICT with Video Capabilities](#)

Notes: Note applicable. There is no audio or video content on the site.

[Chapter 8: Hardware](#)

Notes: Not applicable. This website does not include hardware to evaluate.

[Chapter 9: Web \(see WCAG 2.2 section\)](#)

Notes: This chapter is covered by Tables 1 and 2 in the WCAG 2.2 section.

[Chapter 10: Non-Web Documents](#)

Notes: Not evaluated. For information on supplement materials review the Accessibility Statement.

[Chapter 11: Software](#)

Notes: Not applicable. This website does not include software to evaluate.

[Chapter 12: Documentation and Support Services](#)

Notes: n/a

Criteria EN 301 549 Chapter 12	Conformance Level	Remarks and Explanations
12.1 Product documentation	Heading cell – no response required	Heading cell – no response required
12.1.1 Accessibility and compatibility features Documentation lists and explains how to use the accessibility and compatibility features; includes guidance for features that are built-in features, and compatible with assistive technologies.	Supports	Help Centre - guidance on how to use the database, its tables and chemical structure tools to best understand and interpret the information. There is also information on how to use the site with a keyboard. Link to the Accessibility statement can be found in the site's persistent footer.

Criteria EN 301 549 Chapter 12	Conformance Level	Remarks and Explanations
12.1.2 Accessible documentation Product documentation is available in at least one of the following electronic formats: • a Web format that conforms to the requirements (as per Clause 9) • a non-web format (as per Clause 10).	See WCAG 2.2 section	See information in WCAG 2.2 section
12.2 Support Services	Heading cell – no response required	Heading cell – no response required
12.2.2 Information on accessibility and compatibility features Information on the accessibility and compatibility features are provided.	Supports	Help Centre - guidance on how to use the database, its tables and chemical structure tools to best understand and interpret the information. There is also information on how to use the site with a keyboard. Link to the Accessibility statement can be found in the site's persistent footer.

Criteria EN 301 549 Chapter 12	Conformance Level	Remarks and Explanations
12.2.3 Effective communication Support services shall accommodate the communication needs of individuals with disabilities either directly or through a referral point.	Partially Supports	The "Contact Us" link in the persistent footer opens a new email, for users to contact support@taylorfrancis.com The postal address, and email can be found under "Troubleshooting" in the Help Centre . Refer to the WCAG table entry for 3.2.6 Consistent Help, issue CRC-A11Y-00031.
12.2.4 Accessible documentation Documentation provided by support services is available in at least one of the following electronic formats: - a Web format that conforms to the requirements (as per Clause 9) - a non-web format (as per Clause 10).	See WCAG 2.2 section	See information in WCAG 2.2 section

[Chapter 13: ICT Providing Relay or Emergency Service Access](#)

Notes: Not applicable. Does not provide relay or emergency service access.

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The Accessibility Conformance Report (ACR) is a self-assessment document which discloses how accessible Information and Communication Technology products are in accordance with global standards.

The Voluntary Product Accessibility Template utilized to generate this ACR, does not guarantee product accessibility but provides transparency around the product(s) and enables direction when accessing accessibility requirements.

Taylor & Francis has chosen to complete the ACR using the international version of the VPAT, which encompasses Section 508 (US), EN 301 549 (EU), and WCAG2.2 for its products.

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