

Accessibility Statement for CRC Handbook of Chemistry and Physics (CHEMnetBASE)

1. Accessibility declaration

Platform: hbcps.chemnetbase.com/contents/ContentsSearch.xhtml

Taylor & Francis is committed to ensuring that our platform is accessible for all our users, regardless of their ability or technology. We are constantly working on improving the accessibility and usability of our platform.

Our platform endeavours to conform to the World Wide Web Consortium's (W3C) [Web Content Accessibility Guidelines \(WCAG\) 2.2 AA Standard](#) and [Web Accessibility Initiative Accessible Rich Internet Applications Suite \(WAI-ARIA\) 1.2](#).

We also adhere to guidance from:

- [Section 508 Standards of the U.S. Rehabilitation Act](#)
- [Americans with Disabilities Act, Title II](#)
- [EN 301 549 – European Union Accessibility requirements suitable for public procurement of ICT products and services in Europe](#)
- [European Accessibility Act \(28 June 2025\)](#)
- [The Public Sector Bodies \(Websites and Mobile Applications\) \(No. 2\) Accessibility Regulations 2018](#)

These guidelines detail how to make content accessible to a wide range of people with disabilities, including blindness and low vision, deafness and hearing loss, learning disabilities, cognitive limitations, limited movement, speech disabilities, photosensitivity, and combinations of these.

Preparation of this accessibility statement

This accessibility statement for CRC Handbook of Chemistry and Physics 107th Edition (CHEMnetBASE) was last reviewed and updated on 1 July 2026.

CRC Handbook of Chemistry and Physics was last tested in June 2026. The test was carried out by Jennie Mather – Accessibility Officer, and comprised both automated and manual methods, with a selection of pages representative of the product was comprehensively tested. The test report and identified issues were reviewed by Prachi Pavaskar – Developer, Sreeja Panicker – Quality Engineer, and Andrew Watts – Head of Software Engineering.

Corporate Accessibility Statement

Read the [Corporate Accessibility Statement for Taylor & Francis](#) to learn more about what we're doing as a company across all our sites and content workflows.

Our commitment to accessible publishing

Publishing Accessibility Action Group (PAAG) Charter

Taylor & Francis signed the [PAAG Charter](#) in December 2022 and are committed to meeting the 10 commitments of this charter. Our objective is to make all content accessible and to embed accessible practices throughout the publishing ecosystem.

Inclusive Publishing (The DAISY Consortium)

We are an [Inclusive Publishing Partner](#). Inclusive Publishing is co-ordinated and managed by The DAISY Consortium (Digital Accessible Information System). The group contributes to mainstream standards, develops guidelines to promote best practices, raises awareness of accessible reading systems and supports open standards for inclusive publishing and shares knowledge to make mainstream publications accessible to all, including people with print disabilities.

Accessibility Conformance Report

Read the full Accessibility Conformance Report (ACR) for CRC Handbook of Chemistry and Physics (CHEMnetBASE) and check our [Accessibility roadmap](#) to learn about any issues scheduled for review.

The Accessibility Conformance Report (ACR) may also be referred to as a Voluntary Product Accessibility Template (VPAT). The ACR is the final output, having populated the VPAT guidance document.

Tools used for accessibility testing

We use a combination of automated tools and manual testing:

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.

Display settings

- Resize: 1280 × 1024 and 1280 × 768, with scaling at 100%, and browser set to 200%.
- Reflow: 1280 × 1024, with scaling at 100%, and browser set to 400%.
- Standard: 192 × 1080, with scaling at 100%, and browser zoom at 100% and 200%.

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.

2.Accessibility roadmap

For our CHEMnetBASE databases, which includes CRC Handbook of Chemistry & Physics, we aim to carry out a thorough platform accessibility audit every two years. We run User Acceptance Testing (UAT) before deployment of new or changed features and functionality.

In each release, accessibility is a fundamental aspect of the development and quality assurance processes, ensuring that the platform adheres to the legislation and guidance outline in our [accessibility declaration](#).

In October 2025 we partnered with a third-party company, [Siteimprove](#). This allows us to run regular automated audits. Issues are reviewed, and necessary fixes scheduled into our roadmap for completion.

Issues will be reviewed, and necessary fixes scheduled into our roadmap for completion.

Remediation plan

Review the [Accessibility Conformance Report](#) for full details of each issue. The Product Team will review the issues and carryout quality assurance testing on fixes. Where the issue cannot be resolved, the Product Team will provide additional information on the reasons for this.

WCAG criteria	Issues and remarks	Date
1.1.1 Non-text Content (A)	CRC-A11Y-00001: Chemical structure images do not have image descriptions It is not possible to provide a description on a chemical structure diagram.	31 January 2027

WCAG criteria	Issues and remarks	Date
1.1.1 Non-text Content (A)	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. Table data is particularly difficult to navigate, as it lacks meaningful structure.	31 January 2027
1.1.1 Non-text Content (A)	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."	31 January 2027
1.3.1 Info and Relationships (A)	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.	31 January 2027

WCAG criteria	Issues and remarks	Date
1.3.1 Info and Relationships (A)	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.	31 January 2027
1.3.1 Info and Relationships (A)	CRC-A11Y-00005: Container element is empty The left-hand navigation menus for Search, Periodic Table, and Contents use container roles - [list] and [menubar] - but these roles are missing the required child elements, which can lead to confusion and hinder navigation.	31 January 2027
1.3.1 Info and Relationships (A)	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 to navigate and interact with the site.	31 January 2027
1.3.1 Info and Relationships (A) 2.4.6 Headings and Labels (AA)	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.	31 January 2027

WCAG criteria	Issues and remarks	Date
Best practice (1.3.1 Info and Relationships)	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. • Content Search: Hidden <h3> heading. • Tour and Help: Starts with <h2> instead of <h1>.	31 January 2027
Best practice (1.3.1 Info and Relationships)	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. • Contains a hidden <h2> heading. • The top navigation element "Combined Chemical Dictionary" is marked as <label id="title">.	31 January 2027
1.3.2 Meaningful Sequence (A) 2.4.3 Focus Order (A)	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.	31 January 2027

WCAG criteria	Issues and remarks	Date
1.3.3 Sensory Characteristics (A) 2.5.3 Label in Name (A)	CRC-A11Y-00012: 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.	31 January 2027
1.4.1 Use of Colour (A)	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. Blue links (0E6DBA) with surrounding black body text (000000), contrast ratio is 3.9:1 (should be at least 4.5:1). • Log in • Other CHEMnetBASE Products (footer) • ChemAxon (footer).	31 January 2027
2.1.1 Keyboard (A) 2.4.3 Focus Order (A)	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, and can feel slow and unintuitive.	31 January 2027

WCAG criteria	Issues and remarks	Date
2.1.1 Keyboard (A)	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, and sections lack proper headings.	31 January 2027
2.4.1 Bypass Blocks (A)	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.	31 January 2027
2.4.1 Bypass Blocks (A)	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". Unique accessible names, such as "Main Navigation," and "Secondary Navigation", are needed to improve clarity and usability.	31 January 2027
Best practice issue (2.4.1 Bypass Blocks)	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 to bypass repetitive navigation. 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.	31 January 2027

WCAG criteria	Issues and remarks	Date
2.4.4 Link Purpose (A)	CRC-A11Y-00021: Links use full URLs instead of meaningful anchor text Many pages have links written as full URLs instead of descriptive text. Examples: • Properties of the solar system • Properties of refrigerants • Scientific abbreviations	31 January 2027
3.2.6 Consistent Help (A)	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.	31 January 2027
3.3.1 Error Identification (A) 4.1.3 Status Messages (AA)	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.	31 January 2027
3.3.2 Labels or Instructions (A) 4.1.3 Status Messages (AA)	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.	31 January 2027

WCAG criteria	Issues and remarks	Date
3.3.2 Labels or Instructions (A)	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.	31 January 2027
4.1.2 Name, Role, Value (A)	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". Users may not understand the purpose of the menu or how to interact with it.	31 January 2027
4.1.2 Name, Role, Value (A)	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.	31 January 2027
4.1.2 Name, Role, Value (A)	CRC-A11Y-00013: Missing label for form elements Some form elements on the site lack descriptive text labels. • 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.	31 January 2027

WCAG criteria	Issues and remarks	Date
4.1.2 Name, Role, Value (A)	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.	31 January 2027
4.1.2 Name, Role, Value (A)	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.	31 January 2027
1.3.5 Identify Input Purpose (AA)	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.	31 January 2027
1.4.3 Contrast (AA)	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.	31 January 2027

WCAG criteria	Issues and remarks	Date
1.4.3 Contrast (AA)	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.	31 January 2027
1.4.3 Contrast (AA) 1.4.11 Non-text Contrast (AA)	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.	31 January 2027
1.4.4 Resize text (AA) 1.4.10 Reflow (AA)	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.	31 January 2027

WCAG criteria	Issues and remarks	Date
1.4.11 Non-text Contrast (AA)	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.	31 January 2027
1.4.11 Non-text Contrast (AA) 2.4.7 Focus Visible (AA)	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.	31 January 2027
1.4.11 Non-text Contrast (AA) 2.4.7 Focus Visible (AA)	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.	31 January 2027

WCAG criteria	Issues and remarks	Date
1.4.11 Non-text Contrast (AA) 2.4.7 Focus Visible (AA)	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.	31 January 2027
1.4.11 Non-text Contrast (AA) 2.4.7 Focus Visible (AA)	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.	31 January 2027

Remediation plan for mobile issues

Review the [Accessibility Conformance Report](#) for full details of each issue.

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 (such as, chemical structure searching) may limit full accessibility on mobile platforms. As a result, you may encounter the following issues.

WCAG criteria	Issues and remarks	Date
3.2.2 On Input (A)	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.	31 January 2027
1.3.4 Orientation (AA) 1.4.10 Reflow (AA)	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.	31 January 2027
1.3.4 Orientation (AA) 1.4.10 Reflow (AA)	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.	31 January 2027

WCAG criteria	Issues and remarks	Date
1.3.4 Orientation (AA)	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.	31 January 2027
1.4.10 Reflow (AA)		
1.4.10 Reflow (AA)	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.	31 January 2027

Fixed issues

WCAG criteria	Solution details	Date
2.4.2 Page Titled (A)	Page titles across the website have been improved to ensure users know which page they're viewing and what information it contains. Previously the page titles were generic, for example the Periodic Table page is now titled "CHEMnetBASE - Periodic Table" (previously just "CHEMnetBASE").	June 2026
1.4.1 Use of Colour (A)	"Click Here" (Landing page) relied on colour alone for identification in its default state. This link has been removed from the site.	November 2025

WCAG criteria	Solution details	Date
2.1.1 Keyboard (A) 2.5.1 Pointer Gestures (A) 2.5.2 Pointer Cancellation (A)	The chemical structure drawing tool relies on mouse control to select pre-determined structure elements. However, users can now 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.	November 2025
2.4.4 Link Purpose (A)	The hamburger menu, Help tooltips, and Shopping Cart link now have accessible names.	November 2025
1.4.3 Contrast (AA)	Cookie buttons now have sufficient contrast; "Accept All", "Reject All", and "Manage Preferences". Blue (#002166), white (FFFFFF), ratio 14.9:1.	November 2025

3. Content types and formats

PDFs

Some older documents in the archive section are only available as images, making them unreadable by screen readers. 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.

For 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.

Chemical structure drawing tool

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 now 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.

4. Feedback and contact information

Contact us

We are always developing solutions to further improve the site's overall accessibility. In the meantime, should you experience any difficulty in accessing CRC Handbook of Chemistry & Physics, please view the information on our [Help Centre](#), or email us at support@taylorfrancis.com. We endeavour to respond within five business days, or fewer.

Request service

Taylor & Francis request service

When a work is unavailable for purchase in a suitable format, we endeavour to provide one within three working days. Institutions and individuals can place their request via our Academic VIP (Visually Impaired Persons) Team. Note, this team handle alternative format requests for all print-disabilities.

- [Book request form – including ancillary instructor and student resources](#)
- [Journal request form – including video abstracts](#)
- AcademicVIPRequests@informa.com

RNIB Bookshare and Bookshare

Our titles are also available through [RNIB Bookshare | UK Education Collection](#), and [Bookshare | Benetech](#) in PDF and EPUB formats, and are shared with these platforms as part of our automated publishing workflow. Where EPUB is provided, titles can be downloaded as

a Word, DAISY, Braille Ready File (BRF) or EPUB file, as well as being supported by the built-in reading tool and [Dolphin Easy Reader](#).

General information

- For general information or help with web-accessibility, visit [BBC Accessibility Help](#).
- [AbilityNet](#) has advice on making your device easier to use if you have a disability.
- [Royal National Institute of Blind People \(RNIB\)](#) has information on [assistive aids and technology](#) for blind and partially sighted people.

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