

Taylor & Francis Accessibility Conformance Report

International Edition

(Based on VPAT® Version 2.4 Rev)

Name of Product/Version: Polymers: A Property A Database 2022 (poly.chemnetbase.com)

Report Date: 9th February 2023

Product Description: This chemical database provides scientific and commercial information on over 1,100 polymers in a single, first-stop reference invaluable to anyone involved in polymer science and technology.

Contact Information: support@tandfonline.com

Notes: Every effort has been made to make this site accessible to people with disabilities. Accessibility features have been included on almost all aspects of this site. However, it is not possible to make the drawing of chemical structures fully accessible to people with motor or visual impairments. Also, it is not possible to describe these structures with text.

Evaluation Methods Used: Manual evaluation/WCAG Accessibility Audit Developer

Applicable Standards/Guidelines

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

Standard/Guideline	Included In Report
Web Content Accessibility Guidelines 2.0	Level A (Yes) Level AA (Yes) Level AAA (No)
Web Content Accessibility Guidelines 2.1	Level A (Yes)

Standard/Guideline	Included In Report
	Level AA (Yes) Level AAA (No)
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)

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 criterion.
- **Does Not Support:** The majority of product functionality does not meet the criterion.
- **Not Applicable:** The criterion is not relevant to the product.
- **Not Evaluated:** The product has not been evaluated against the criterion. This can be used only in WCAG 2.0 Level AAA.

WCAG 2.4 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.x Success Criteria, they are scoped for full pages, complete processes, and accessibility-supported ways of using technology as documented in the [WCAG 2.0 Conformance Requirements](#).

Table 1: Success Criteria, Level A

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.1.1 Non-text Content (Level A)	Partially Supports	All non-chemical structure images are described. It is not possible to provide a description on a chemical structure diagram.
1.2.1 Audio-only and Video-only (Prerecorded) (Level A)	Not Applicable	
1.2.2 Captions (Prerecorded) (Level A)	Not Applicable	
1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)	Not Applicable	
1.3.1 Info and Relationships (Level A)	Supports	
1.3.2 Meaningful Sequence (Level A)	Supports	
1.3.3 Sensory Characteristics (Level A)	Supports	
1.4.1 Use of Color (Level A)	Supports	
1.4.2 Audio Control (Level A)	Not Applicable	
2.1.1 Keyboard (Level A)	Partially Supports	Chemical structure drawing requires mouse control and is impossible to be done using the keyboard.
2.1.2 No Keyboard Trap (Level A)	Supports	
2.1.4 Character Key Shortcuts (Level A 2.1 only)	Not Applicable	
2.2.1 Timing Adjustable (Level A)	Supports	The user will not be timed out for over 24 hours
2.2.2 Pause, Stop, Hide (Level A)	Not Applicable	
2.3.1 Three Flashes or Below Threshold (Level A)	Not Applicable	
2.4.1 Bypass Blocks (Level A)	Supports	On opening a search page, the focus of the page is on the first entry control.
2.4.2 Page Titled (Level A)	Supports	
2.4.3 Focus Order (Level A)	Supports	
2.4.4 Link Purpose (In Context) (Level A)	Supports	
2.5.1 Pointer Gestures (Level A 2.1 only)	Partially Supports	Chemical structure drawing cannot support this
2.5.2 Pointer Cancellation (Level A 2.1 only)	Partially Supports	Chemical structure drawing cannot support this
2.5.3 Label in Name (Level A 2.1 only)	Supports	
2.5.4 Motion Actuation (Level A 2.1 only)	Not Applicable	

Criteria	Conformance Level	Remarks and Explanations
3.1.1 Language of Page (Level A)	Supports	
3.2.1 On Focus (Level A)	Supports	
3.2.2 On Input (Level A)	Supports	
3.3.1 Error Identification (Level A)	Supports	
3.3.2 Labels or Instructions (Level A)	Supports	
4.1.1 Parsing (Level A)	Supports	
4.1.2 Name, Role, Value (Level A)	Supports	

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.4 Captions (Live) (Level AA)	Not Applicable	
1.2.5 Audio Description (Prerecorded) (Level AA)	Not Applicable	
1.3.4 Orientation (Level AA 2.1 only)	Supports	
1.3.5 Identify Input Purpose (Level AA 2.1 only)	Partially Supports	
1.4.3 Contrast (Minimum) (Level AA)	Partially Supports	
1.4.4 Resize text (Level AA)	Supports	
1.4.5 Images of Text (Level AA)	Supports	
1.4.10 Reflow (Level AA 2.1 only)	Does not support	Cannot support screen sizes of 320 x 256 pixels Functionality cannot be presented on screens of this size
1.4.11 Non-text Contrast (Level AA 2.1 only)	Supports	
1.4.12 Text Spacing (Level AA 2.1 only)	Partially Supports	
1.4.13 Content on Hover or Focus (Level AA 2.1 only)	Partially Supports	Focus elements are highlighted or underlined. Tooltips provided on many components
2.4.5 Multiple Ways (Level AA)	Supports	
2.4.6 Headings and Labels (Level AA)	Supports	

Criteria	Conformance Level	Remarks and Explanations
2.4.7 Focus Visible (Level AA)	Supports	
3.1.2 Language of Parts (Level AA)	Supports	
3.2.3 Consistent Navigation (Level AA)	Supports	
3.2.4 Consistent Identification (Level AA)	Supports	
3.3.3 Error Suggestion (Level AA)	Supports	
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA)	Not Applicable	
4.1.3 Status Messages (Level AA 2.1 only)	Does not support	

Table 3: Success Criteria, Level AAA

Notes:

Criteria	Conformance Level	Remarks and Explanations
1.2.6 Sign Language (Prerecorded) (Level AAA)	Not Applicable	
1.2.7 Extended Audio Description (Prerecorded) (Level AAA)	Not Applicable	
1.2.8 Media Alternative (Prerecorded) (Level AAA)	Not Applicable	
1.2.9 Audio-only (Live) (Level AAA)	Not Applicable	
1.3.6 Identify Purpose (Level AAA 2.1 only)	Not evaluated	
1.4.6 Contrast (Enhanced) (Level AAA)	Not evaluated	
1.4.7 Low or No Background Audio (Level AAA)	Not evaluated	
1.4.8 Visual Presentation (Level AAA)	Not evaluated	
1.4.9 Images of Text (No Exception) (Level AAA)	Not evaluated	
2.1.3 Keyboard (No Exception) (Level AAA)	Not evaluated	
2.2.3 No Timing (Level AAA)	Not evaluated	
2.2.4 Interruptions (Level AAA)	Not evaluated	
2.2.5 Re-authenticating (Level AAA)	Not evaluated	
2.2.6 Timeouts (Level AAA 2.1 only)	Not evaluated	
2.3.2 Three Flashes (Level AAA)	Not evaluated	
2.3.3 Animation from Interactions (Level AAA 2.1 only)	Not evaluated	
2.4.8 Location (Level AAA)	Not evaluated	

Criteria	Conformance Level	Remarks and Explanations
2.4.9 Link Purpose (Link Only) (Level AAA)	Not evaluated	
2.4.10 Section Headings (Level AAA)	Not evaluated	
2.5.5 Target Size (Level AAA 2.1 only)	Not evaluated	
2.5.6 Concurrent Input Mechanisms (Level AAA 2.1 only)	Not evaluated	
3.1.3 Unusual Words (Level AAA)	Not evaluated	
3.1.4 Abbreviations (Level AAA)	Not evaluated	
3.1.5 Reading Level (Level AAA)	Not evaluated	
3.1.6 Pronunciation (Level AAA)	Not evaluated	
3.2.5 Change on Request (Level AAA)	Not evaluated	
3.3.5 Help (Level AAA)	Not evaluated	
3.3.6 Error Prevention (All) (Level AAA)	Not evaluated	

Revised Section 508 Report

Notes:

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

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Does not support	It is not possible for users without vision to describe/view chemical structures with text.
302.2 With Limited Vision	Supports	Text can be resized, and browser zoom allows the entire page to be resized.
302.3 Without Perception of Color	Supports	No text or functionality is dependent on color.
302.4 Without Hearing	Supports	This site does not depend on hearing for operation
302.5 With Limited Hearing	Supports	This site does not depend on hearing for operation
302.6 Without Speech	Supports	This site does not depend on speech for operation
302.7 With Limited Manipulation	Partially Supports	Those with limited motor skills will find the drawing of chemical structures a challenge, however all other parts of the site allow keyboard operation.
302.8 With Limited Reach and Strength	Partially Supports	Those with limited motor skills will find the drawing of chemical structures a challenge, however all other parts of the site allow keyboard operation.
302.9 With Limited Language, Cognitive, and Learning Abilities	Does not support	Due to the nature of the complex information on this site those with cognitive disabilities would find this difficult.

Chapter 4: [Hardware](#)

Notes: Not Applicable

Chapter 5: [Software](#)

Notes: Not Applicable

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

Notes:

Criteria	Conformance Level	Remarks and Explanations
601.1 Scope	Heading cell – no response required	Heading cell – no response required

Criteria	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	Supports	
602.3 Electronic Support Documentation	See WCAG 2.0 section	See information in WCAG 2.x section
602.4 Alternate Formats for Non-Electronic Support Documentation	Does not support	
<u>603 Support Services</u>	Heading cell – no response required	Heading cell – no response required
603.2 Information on Accessibility and Compatibility Features	Supports	
603.3 Accommodation of Communication Needs	Does not support	

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Notes:

Chapter [4: Functional Performance Statements \(FPS\)](#)

Notes:

Criteria	Conformance Level	Remarks and Explanations
4.2.1 Usage without vision	Does not support	It is not possible for users without vision to describe/view chemical structures with text.
4.2.2 Usage with limited vision	Supports	Text can be resized, and browser zoom allows the entire page to be resized.
4.2.3 Usage without perception of colour	Supports	No text or functionality is dependent on colour.
4.2.4 Usage without hearing	Supports	This site does not depend on hearing for operation
4.2.5 Usage with limited hearing	Supports	This site does not depend on hearing for operation
4.2.6 Usage with no or limited vocal capability	Supports	This site does not depend on speech for operation
4.2.7 Usage with limited manipulation or strength	Partially Supports	Those with limited motor skills will find the drawing of chemical structures a challenge, however all other parts of the site allow keyboard operation.
4.2.8 Usage with limited reach	Partially Supports	Those with limited motor skills will find the drawing of chemical structures a challenge, however all other parts of the site allow keyboard operation.
4.2.9 Minimize photosensitive seizure triggers	Supports	This site does not flash any elements or provide photosensitive content.
4.2.10 Usage with limited cognition, language or learning	Does not support	Due to the nature of the complex information on this site those with cognitive disabilities would find this difficult.
4.2.11 Privacy	Supports	

Chapter [5: Generic Requirements](#)

Notes: this site is fully supported by browser and does not need any assistive technology. All criteria should conform to browser accessibility.

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

Notes: Not applicable

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

Notes: Not applicable

Chapter [8: Hardware](#)

Notes: Not applicable

Chapter [9: Web](#) (see [WCAG 2.x section](#))

Notes:

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

Notes: Not applicable

Chapter [11: Software](#)

Notes: Chemical structure drawing software is provided on the site for drawing and viewing chemical structures. This is only a small part of the site as a whole, and the site can be operated without using this, but due to the nature of drawing and viewing chemical structures, disability access to this functionality is very limited.

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

Notes:

Criteria	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	Supports	
12.1.2 Accessible documentation	See WCAG 2.x section	See information in WCAG 2.x section
12.2 Support Services	Heading cell – no response required	Heading cell – no response required
12.2.2 Information on accessibility and compatibility features	Supports	
12.2.3 Effective communication	Does not support	
12.2.4 Accessible documentation	See WCAG 2.x section	See information in WCAG 2.x section

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

Notes: Not applicable

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