

Revised Section 508 Edition

(Based on VPAT® Version 2.4)

Name of Product/Version: iolite v4

Report Date: October 2021

Product Description: iolite is a software package for processing data from mass spectrometer instruments

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Notes: This report is focussed on the iolite v4 software application, and does not include a report on the online documentation

Evaluation Methods Used: Testing is based on general product knowledge

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)
Revised Section 508 standards published January 18, 2017 and corrected January 22, 2018	(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 2.0 Report

Tables 1 and 2 also document conformance with Revised Section 508:

- Chapter 5 – 501.1 Scope, 504.2 Content Creation or Editing
- Chapter 6 – 602.3 Electronic Support Documentation

Note: When reporting on conformance with the WCAG 2.0 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
<p>1.1.1 Non-text Content (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Partially supports	Software: There are parts of the software that cannot be replaced by text (e.g. graphs used to adjust synchronization).
<p>1.2.1 Audio-only and Video-only (Prerecorded) (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	There are no time-based media in the software
<p>1.2.2 Captions (Prerecorded) (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	There are no time-based media in the software
<p>1.2.3 Audio Description or Media Alternative (Prerecorded) (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	There are no time-based media in the software
<p>1.3.1 Info and Relationships (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) 	Software: Partially supports	Software: There are parts of the user interface that cannot be determined programmatically, but where tables are used to present results, they are defined with simple HTML table elements

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> 602.3 (Support Docs) 		
<p>1.3.2 Meaningful Sequence (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Software: Partially supports	Software: There are parts of the user interface that cannot be determined programmatically, but where tables are used to present results, they are defined with simple HTML table elements
<p>1.3.3 Sensory Characteristics (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Software: Does not support	Software: There are significant parts of the software that uses color (e.g. graph trace colors) to provide understanding
<p>1.4.1 Use of Color (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Software: Does not support	Software: There are significant parts of the software that uses color (e.g. graph trace colors) to provide understanding
<p>1.4.2 Audio Control (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Software: Not applicable	Software: There are no audio components to the software
<p>2.1.1 Keyboard (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Software: Does not support	Software: There are parts of the software that cannot be controlled by the keyboard alone
<p>2.1.2 No Keyboard Trap (Level A)</p>	Software: Does not support	Software: There are parts of the software that cannot

Criteria	Conformance Level	Remarks and Explanations
Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		be moved away from without use of the mouse. We hope to improve support for this in upcoming versions
<u>2.2.1 Timing Adjustable</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Not applicable	Software: There are no time limits set by the content
<u>2.2.2 Pause, Stop, Hide</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Supports	Software: Logs are the only content that auto-scrolls and this can be readback when an operation is finished.
<u>2.3.1 Three Flashes or Below Threshold</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Not applicable	Software: There are no flashing elements of the software
<u>2.4.1 Bypass Blocks</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 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 	Not applicable	There are no large blocks of text stored as webpages
<u>2.4.2 Page Titled</u> (Level A) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) 	Software: Supports	Software: All sections are clearly labelled

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		
<p>2.4.3 Focus Order (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Does not support	Software: There are some parts of the software where the focus order is not sequential. We hope to fix this in upcoming versions
<p>2.4.4 Link Purpose (In Context) (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Not applicable	Software: The software does not use links
<p>3.1.1 Language of Page (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Does not support	Software: It is not possible to programmatically determine the human language used in the interface
<p>3.2.1 On Focus (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Supports	Software: Changing focus does not change the context of the user interface elements
<p>3.2.2 On Input (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Supports	Software: Changing input does not automatically change the context of the user interface elements

Criteria	Conformance Level	Remarks and Explanations
<p>3.3.1 Error Identification (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Partially supports	Software: Where an error in input has occurred it will be recorded to the logs as an error (in text).
<p>3.3.2 Labels or Instructions (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Supports	Software: Labels or instructions are provided when content requires user input
<p>4.1.1 Parsing (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Supports	Software: Where content is presented in markup languages, proper element tagging is used
<p>4.1.2 Name, Role, Value (Level A)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Partially supports	Software: There are parts of the software that are not properly labelled, although most controls are. This will be improved in the future.

Table 2: Success Criteria, Level AA

Notes:

Criteria	Conformance Level	Remarks and Explanations
<p>1.2.4 Captions (Live) (Level AA)</p> <p>Also applies to:</p>	Software: Not applicable	There is no audio in the software.

Criteria	Conformance Level	Remarks and Explanations
Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		
<u>1.2.5 Audio Description (Prerecorded)</u> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Not applicable	There is no video in the software.
<u>1.4.3 Contrast (Minimum)</u> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Does not support	There are parts of the software that are only identifiable via their color (e.g. traces on graphs)
<u>1.4.4 Resize text</u> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Does not support	Text size cannot be adjusted without assistive technologies
<u>1.4.5 Images of Text</u> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Software: Not applicable	There are no images of text in the software (except for the logo).
<u>2.4.5 Multiple Ways</u> (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) – Does not apply to non-web software • 504.2 (Authoring Tool) 	Not applicable	Not applicable

Criteria	Conformance Level	Remarks and Explanations
<ul style="list-style-type: none"> 602.3 (Support Docs) – Does not apply to non-web docs 		
<p>2.4.6 Headings and Labels (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Software: Supports	Headings and labels are used to describe document contents
<p>2.4.7 Focus Visible (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Software: Partially supports	Software: there are parts of the user interface that do not indicate when they have focus. We hope to fix this in later versions
<p>3.1.2 Language of Parts (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 501 (Web)(Software) 504.2 (Authoring Tool) 602.3 (Support Docs) 	Software: Does not support	Software: The language used in different parts of the software cannot be determined programmatically
<p>3.2.3 Consistent Navigation (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 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 	Not applicable	Not applicable
<p>3.2.4 Consistent Identification (Level AA)</p> <p>Also applies to: Revised Section 508</p> <ul style="list-style-type: none"> 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 	Not applicable	Not applicable
<p>3.3.3 Error Suggestion (Level AA)</p>	Not applicable	Not applicable

Criteria	Conformance Level	Remarks and Explanations
Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 		
3.3.4 Error Prevention (Legal, Financial, Data) (Level AA) Also applies to: Revised Section 508 <ul style="list-style-type: none"> • 501 (Web)(Software) • 504.2 (Authoring Tool) • 602.3 (Support Docs) 	Not applicable	Not applicable

Table 3: Success Criteria, Level AAA

Notes: Not accessed in this report

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Notes:

Chapter 3: Functional Performance Criteria (FPC)

Notes:

Criteria	Conformance Level	Remarks and Explanations
302.1 Without Vision	Not supported	There are parts of the interface that cannot be operated in a non-visual way
302.2 With Limited Vision	Partially supported	Most parts of the software can be operated with limited vision
302.3 Without Perception of Color	Not supported	There are parts of the software that use color to differentiate values (e.g. traces on a graph).
302.4 Without Hearing	Not applicable	There are no audio components of the software
302.5 With Limited Hearing	Not applicable	There are no audio components of the software
302.6 Without Speech	Not applicable	Speech control is not used in the software
302.7 With Limited Manipulation	Supported	Any components that require fine motor control can also be set using (for example) text input or button controls.
302.8 With Limited Reach and Strength	Not applicable	Not applicable
302.9 With Limited Language, Cognitive, and Learning Abilities	Not supported	There are currently no options for limited language, cognitive or learning abilities.

Chapter 4: Hardware

Notes: No hardware components to software

Chapter 5: Software

Notes:

Criteria	Conformance Level	Remarks and Explanations
501.1 Scope – Incorporation of WCAG 2.0 AA	See WCAG 2.0 section	See information in WCAG 2.0 section
<u>502 Interoperability with Assistive Technology</u>	Heading cell – no response required	Heading cell – no response required
502.2.1 User Control of Accessibility Features	Supported	Can be operated with accessibility software
502.2.2 No Disruption of Accessibility Features	Supported	No disruption that we have observed in current version
502.3 Accessibility Services	Heading cell – no response required	Heading cell – no response required
502.3.1 Object Information	Partially supported	There are some objects that do not have full roles, state or values available
502.3.2 Modification of Object Information	Supported	Objects that can be set can be done so programmatically
502.3.3 Row, Column, and Headers	Supported	Data presented in tables is properly identifiable
502.3.4 Values	Supported	Data presented in tables is programmatically determinable
502.3.5 Modification of Values	Does not support	Cannot change values programmatically in many parts of the software
502.3.6 Label Relationships	Does not support	Some parts of the user interface are not readily identifiable
502.3.7 Hierarchical Relationships	Supported	Hierarchical relationships are programmatically determinable
502.3.8 Text	Does not support	The outlines of text is not always determinable programmatically
502.3.9 Modification of Text	Does not support	Cannot change text programmatically in many parts of the software
502.3.10 List of Actions	Does not support	There are no labels for full options that may be set programmatically
502.3.11 Actions on Objects	Supported	Objects may be activated using assistive

Criteria	Conformance Level	Remarks and Explanations
		technology
502.3.12 Focus Cursor	Partially supported	The focus can be tracked for most of the user interface, although there are parts where the focus is not readily determined
502.3.13 Modification of Focus Cursor	Supported	The focus cursor can be modified by assistive technologies
502.3.14 Event Notification	Supported	Changes in state are determinable by assistive technology
502.4 Platform Accessibility Features	Supported	Supported by underlying operating system settings
<u>503 Applications</u>	Heading cell – no response required	Heading cell – no response required
503.2 User Preferences	Not supported	The user cannot adjust color settings etc.
503.3 Alternative User Interfaces	Not supported	There are no alternative user interfaces
<i>503.4 User Controls for Captions and Audio Description</i>	Heading cell – no response required	Heading cell – no response required
503.4.1 Caption Controls	Not applicable	No audio
503.4.2 Audio Description Controls	Not applicable	No audio
<u>504 Authoring Tools</u>	Heading cell – no response required	Heading cell – no response required
504.2 Content Creation or Editing (if not authoring tool, enter “not applicable”)	See WCAG 2.0 section	See information in WCAG 2.0 section
504.2.1 Preservation of Information Provided for Accessibility in Format Conversion	Not supported	Accessibility information is not included in export formats
504.2.2 PDF Export	Not supported	PDF export is very basic and does not provide options
504.3 Prompts	Not supported	Does not prompt user to create content that conforms to conformance requirements
504.4 Templates	Not applicable	

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

Notes: Not covered by this report