Avocado Research Chemicals (Thermo Fisher Scientific)
Shore Road, Port of
Heysham Industrial Park
Heysham,
LA3 2XY, United Kingdom

CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by LRQA. Certificate Number. 10551915

Catalogue Number	A16690
Lot Number	10255049
Description	Methyl Red
CAS Number	493-52-7
Quality Test/Release Date	03/Jul/2025
Suggested retest date	03/Jul/2030
Country of Origin	India
Declaration of Origin	Synthetic

Result Name	Units	Specifications	Test Value
Appearance (Color)		Dark red to brown to purple to violet	Dark purple
Color Change		Pink or red @ pH 4.2 to Yellow @ pH 6.2	Red @ pH 4.2, Yellow @ pH 6.2
Form		Powder or crystals	Powder
Loss on Drying	%	≤3.0% (110°C/constant wt.)	0.54
lambda-max (UV-Vis)		425-435nm @ pH 6.2	432
lambda-max (UV-Vis)	nm	522-532nm @ pH 4.2	524
Melting Point (clear melt)	°c	172-182°C	172.1-173.9
Specific Absorbance (E 1%/1cm)		>1300 (lambda-max @ pH4.2)	1325
Specific Absorbance (E 1%/1cm)		700-800 (lambda-max @ pH6.2)	710



Paul Coleman
Site Quality Manager

Products are processed under ISO 9001:2015 quality management systems and samples are tested for conformance to the noted specifications. Certain data may have been supplied by third parties. We disclaim the implied warranties of merchantability and fitness for a particular purpose, and the accuracy of third-party data or information associated with the product. Products are for research and development use only. Products are not for direct administration to humans or animals. It is the responsibility of the final formulator or end user to determine suitability, and to qualify and/or validate each product for its intended use.

Note: The data listed is valid for all package sizes of this lot of this product, expressed as an extension of the catalogue number listed above.