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	A16933
Lot Number	10256622
Description	SPADNS
CAS Number	23647-14-5
Quality Test/Release Date	30/Sep/2025
Suggested retest date	30/Sep/2030
Country of Origin	India
Declaration of Origin	Synthetic
BSE/TSE	Not directly derived from or manufactured with any animal byproducts in any way (including but not limited to fermentation or nutrient broth, catalysts, enzymes).

Result Name	Units	Specifications	Test Value
Comment		Suitable for the determination of zirconium	Suitable for the determination of zirconium
Appearance (Color)		Dark red to brown to dark brown	Dark red
Form		Crystals or powder or crystalline powder	Powder
Loss on Drying	%	≤10%	3.54
lambda-max (UV-Vis)	nm	505.0-510.0nm	507
Specific Absorbance (E 1%/1cm)		≥400 at Lambda-max	453



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.