

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek. Certificate Number. 2317548

Catalogue Number	13434
Lot Number	A0475385
Description	Activated charcoal,NORIT® A SUPRA
CAS Number	7440-44-0
Quality Test/Release Date	18/Aug/2025
Suggested retest date	18/Aug/2030
Country of Origin	NETHERLANDS
Declaration of Origin	plant
BSE/TSE	manufactured from lignite coal

Result Name	Units	Specifications	Test Value
Appearance (Color)		Black	Black
Appearance (Form)		Powder	Powder
Loss on drying	%	=<15	1.1
Sulfated ash	%	=<5	1.3
Acidity/alkalinity		passes test	passes test
Copper (Cu)	ppm	=<25	3
Lead (Pb)	ppm	=<10	1
Zinc (Zn)	ppm	=<25	2
Acid-soluble substances	%	=<3	0.3
Alcohol soluble substances	%	=<0.5	0.1
Adsorption power	g/100 g	>=40 (on Phenazone)	50 (on Phenazone)
Methylene blue adsorption	g/100 g	>=38	40
Sulfides		Passes test	Passes test
Alkali-soluble colored subst.		Passes test	Passes test
Fluorescent substances		Passes test	Passes test

Geert Torfs  
Supervisor, QC

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.