

## CERTIFICATE OF ANALYSIS

Thermo Fisher Scientific's Quality System has been found to conform to Quality Management System Standard ISO9001:2015 by Intertek Global Certificate Number. CERT-0120633

Catalogue Number	BP220
Lot Number	257370
Description	SUCROSE
CAS Number	57-50-1
Quality Test/Release Date	10/Apr/2026
Suggested retest date	31/May/2030
Country of Origin	United States
Declaration of Origin	Organic - Plant
BSE/TSE	Natural charcoal from cattle bones is used in the manufacturing of this product. These animals are certified BSE/TSE free.

Result Name	Units	Specifications	Test Value
APPEARANCE		REPORT	White or colorless solid
ASSAY	%	>= 99.9	>99.9
CLARITY OF 65% SOLUTION		CLEAR_COLORLESS= CLEAR AND COLORLESS	CLEAR AND COLORLESS
COLOR 50% SOLUTION	A.P.H.A.	<= 10	<10
DNASE	DETECTED/NOT DETECT.	= NOT DETECTED	NOT DETECTED
HEAVY METALS (by ICP-OES)	ppm	<= 5	<5
IDENTIFICATION	PASS/FAIL	= PASS TEST	PASS TEST
IGNITION RESIDUE	%	<= 0.01	<0.01
INSOLUBLE MATTER	%	<= 0.005	<0.005
INVERT SUGAR	%	<= 0.1	<0.1
IRON (Fe)	ppm	<= 5	<5
LOSS ON DRYING @ 105 C	%	<= 0.03	0.02
MELTING POINT	DEGREES CELSIUS	Inclusive Between 160 - 186	166
PROTEASE	DETECTED/NOT DETECT.	= NOT DETECTED	NOT DETECTED
RNASE	DETECTED/NOT DETECT.	= NOT DETECTED	NOT DETECTED
SPECIFIC ROTATION @ 25 C	DEGREES (+ OR -)	Inclusive Between 66 - 67	67
TITRATABLE ACID	MEQ/G	<= 0.0008	<0.0008

**Additional Information** This product is free of Genetically Modified Organisms (GMO).



Harout Sahagian  
QC 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 use or further manufacturing. 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.