

Certificate of Analysis

Product Name: Sodium polyanetholesulfonate
Cat #: S-113
CAS #: 55963-78-5
Lot #: Lot Specific
Retest Date: Lot Specific
Storage:[†] Store desiccated at room temperature.

Test	Specs	Results
Color	light brown to brown	light brown
Form	amorphous powder	powder
Color of Solution (1% in water at room temperature)	almost colorless to light brown	slightly brown
Turbidity	clear	clear
Solubility in Water	up to 20%, must give complete and clear solution at 20°C	clear
Water Content (K. Fischer)	8.0 - 15.0%	12.6%
pH (1% aqueous solution in 0.85% saline)	5.6 - 7.0	6.6
UV Wavelength (0.02 mg/ml in water)	283.0 - 285.0 nm	284.5 nm
UV Absorption (0.02 mg/ml in water)	0.140 - 0.170	0.164
Sulfated Ash (on dry matter)	27.2 - 29.6%	29.5%
Element Content (on dry matter)		
- Carbon	47.0 - 49.0%	47.0%
- Hydrogen	4.13 - 4.73%	4.66%
- Sodium	8.8 - 9.6%	9.5%
- Sulfure	12.41 - 13.21%	12.47%
Calcium Traces	max. 0.1%	<0.05%

* Gold Biotechnology, Inc. provides this Certificate of Analysis in good faith and to the best of its knowledge. It should not be substituted for the user's own raw material quality control. This material is for laboratory use only.

† Storage at listed temperature applies to retest date (if shown) or two years from purchase date. Check label for long term storage conditions, which may extend the product beyond the retest date and/or greater than two years from purchase.

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Test	Specs	Results
Impurity - ethanol - acetone - propanol	max. 0.2% max. 0.2% max. 50 ppm	0.07% 0.01% none detected
Color Value (2% in water, UV 490 nm)	max. 0.05	0.03
Infrared Spectrum	corresponds to reference spectrum	corresponds

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