



INDOFINE Chemical Company, Inc.

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Certificate of Analysis

Catalogue Number	BIO-047
Product	2,2'-Azino-bis(3-ethylbenzothiazoline-6-sulfonic acid) diammonium salt
Lot Number	002233-201701
CAS Number	30931-67-0
Molecular Formula	$C_{18}H_{18}N_4O_6S_4(NH_3)_2$
Molecular Weight	548.68

Appearance	Light green powder
Solubility	Complete, clear pale green, haze free solution (0.5 g in 10 mL Water)
Melting Point	> 300 °C
Water Content (Karl Fisher)	1.9%
^{13}C NMR	Conforms to structure
1H NMR	Conforms to structure
Purity by HPLC	98.23%
Storage	Store at 0-8 °C
Additional Information	UV Absorption: at 748 nm: 0.02% at 436 nm: 0.02%

Prepared by:

Ramesh Mandadi

Ramesh Mandadi

Director of Operations

Reviewed and approved by:

Sujata Moton

S. Moton

VP