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Certificate of Analysis

Catalog Number	10446
Product Name	(R)-3-Isopropylamino-1,2-propanediol Hydrochloride salt.
Lot Number	1021669
CAS Registry Number	97988-45-9
Molecular Formula	C ₆ H ₁₅ NO ₂
Molecular Weight	133.19
Appearance	White powder
Solubility	Clear colourless solution (50mg/ml in water)
Melting Point	66 °C
Optical Rotation	$[\alpha]_{365}^{24} = +74.1^{\circ}$ (1.24% in Water)
Assay by elemental analysis	78.00% Based on Nitrogen content N (theory) : 10.52%, N (found) : 8.21%
Identification by TLC	Complies to standard
Assay by TLC	≥99%
Chloroform/methanol/ammonia conc. (20/10/3)	Plate: Silicagel 60 F ₂₅₄
Isopropanol/ammonia conc. (1/1)	Detected by UV, ninhydrin, chlorine-tolidine.
n-butanol/acetic acid/water (4/2/2)	
Chloride content (titration)	20.8%
Storage	Store at -0°C.
Remarks	See Material Safety Data Sheets for additional information. For Laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager