

Certificate of Analysis



SCIENTIFIC

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An ISO 9001 Certified Company

TRIS ACS Grade

PRODUCT NUMBER

IB70142 _____ 500gm
IB70144 _____ 1kg
IB70145 _____ 5kg

LOT NO.

Lot# _____ 22B4001

CAS NO.

CAS# _____ 77-86-1

STORAGE

Store at room temperature. Protect from moisture.

SPECIFICATIONS

	Specification	Analysis	Disposition
UV ABS @260nm (10% aqueous solution)	≤ 0.1	0.1	PASS
UV ABS @280nm (10% aqueous solution)	< 0.08	0.01	PASS
UV ABS @430nm (10% aqueous solution)	< 0.009	0.000	PASS
Assay (Titration; dried basis)	99.8 - 100.1%	100%	PASS
Appearance	White Crystalline Solid	White Crystalline Solid	PASS
APHA Color (20% aqueous solution)	< 25	< 5	PASS
Melting Range (onset)	168°C - 172°C	170	PASS
Melting Range (endpoint)	168°C - 172°C	171	PASS
Heavy Metals (as Pb)	≤ 5.0ppm	< 5.0ppm	PASS
Sulfate	≤ 5.0ppm	< 5.0ppm	PASS
Turbidity (40% solution by weight in water)	< 2.0	0.9	PASS
Residue on Ignition	< 0.1	0.0%	PASS
Iron	≤ 2.0ppm	< 0.5ppm	PASS
pH (5% solution in water)	10.0 - 11.5	10.8	PASS
Purity (dried)	> 99.9%	99.92%	
Protease assay	PASS / FAIL	None Detected	PASS
RNase assay	PASS / FAIL	None Detected	PASS
Water (KF)	≤ 2.0%	0.3%	PASS

DATE OF

Manufacture Date: _____ 07/20/2021

Reassay Date: _____ 07/19/2026

CERTIFICATION

We certify that this batch conforms to the specifications listed above and has been reviewed by a quality representative. This document has been electronically produced and signed by IBI SCIENTIFIC.

Toby Frericks
Quality Control

02/24/22
Date

FOR RESEARCH AND DEVELOPMENT PURPOSES ONLY

Building Quality Scientific.