

# Certificate of Analysis

**TRIS BUFFER AR**

<b>Lot No.</b>	: T0089A-2506019	<b>Product No.</b>	: T0089A
<b>Pack Size</b>	: 25 KG	<b>CAS Number</b>	: 77-86-1
<b>Mfg. Month &amp; Year</b>	: Jun - 2025	<b>Molecular Weight (g/mol)</b>	: 121.14
<b>Exp. Month &amp; Year</b>	: July - 2030	<b>Molecular Formula</b>	: NH <sub>2</sub> C(CH <sub>2</sub> OH) <sub>3</sub>

Test	Specifications	Result
Description	White crystalline powder	Complies
Solubility	Solution of 5 g in 50 ml of water is clear and colourless.	Complies
<b>GUARENTEE ANALYSIS</b>		
ASSAY	NLT 99.8%	99.86%
MELTING POINT	170.0 - 171 deg C	170.2 deg. C
pH (0.1 M aqueous solution)	10.3 - 10.8	10.54
<b>Maximum Limits of Impurities</b>		
WATER INSOLUBLE MATTER	NMT 0.003%	0.0018%
CHLORIDE(Cl)	NMT0.001%	=<0.001%
SULPHATE(SO <sub>4</sub> )	NMT 0.005%	=<0.005%
ARSENIC(As)	NMT 0.0001%	=<0.0001%
COPPER(Cu)	NMT 0.0001%	=<0.0001%
IRON(Fe)	NMT 0.0001%	=<0.0001%
HEAVY METALS (as Pb)	NMT 0.0002%	=<0.0002%
SULPHATED ASH	NMT 0.01%	0.0065%
LOSS ON DRYING (105°C)	NMT 0.5%	0.23%

**REMARKS:**

This above product complies as per the specifications of RYZE CHEMIE

**Approved By**

Head -Quality Control

**Computer Generated Report - Does not require Signature.**

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RYZE CHEMIE

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