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## Certificate of Analysis

Product Name	Tris(hydroxymethyl)aminomethane ; Tris
Cas No.	77-86-1
LOT#	20200923
Production Date	23 <sup>th</sup> , Sep.2020
Retest Date	22 <sup>th</sup> , Sep.2021
Package	25kg/pack
Storage	Keep in cool and dry place, avoid sunlight

Item	Specification	Result
Appearance	White crystalline powder	White crystalline Powder
Melting point	167.0°C-172.0°C	169.7°C-170.6°C
Heavy metals	≤5ppm	Conforms
Water content	≤0.5%	0.16%
pH Value	10.0-11.5	10.9
Assay	≥99.5%	99.8%
Iron ion(Fe <sup>3+</sup> )	≤1ppm	Conforms
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	≤10ppm	Conforms
Chloride(Cl <sup>-</sup> )	≤3ppm	Conforms
UV absorbance/280nm	≤0.07	0.040
UV absorbance/400nm	≤0.02	0.002
Conclusion	Complies with in-house standard	