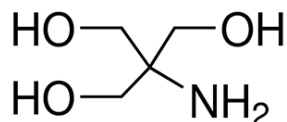


Specifications

TRIS-MBG

Product Name	TRIS-MBG
Chemical Name	Tris- (Hydroxymethyl)-aminomethane
CAS No	77-86-1
Molecular Formula	C ₄ H ₁₁ NO ₃
Molecular Weight	121.14

Structure



DNA水解酵素/DNAse-None Detected	PASS
RNA水解酵素/RNAse-None Detected	PASS
UV吸收值/UV (Abs)-A290nm (40% in H2O)	≅ 0.10
乾燥減重/LOD (%) -105°C, 40 mins	≅ 0.5
元素/Element-Fe (ppm)	≅ 5
內毒素/Endotoxin-(EU/mg)	≅ 0.01
外觀 (Appearance)-White powder	PASS
微生物總數/Bioburden-(CFU/g)	≅ 100
殘留物質/Related Substance-Related Substance, TLC (%)	≅ 1.0
氯/Cl content-(ppm)	≅ 10
溶解度 /Solubility-Clear and Complete (40% in H2O)	PASS
灰份/Sulfated Ash (%) -R01	≅ 0.10
熔點/Melting Point (°C)-final	≅ 172
熔點/Melting Point (°C)-initial	≅ 168
純度/Assay (%) -Titration, dried basis	≅ 99.90
蛋白質水解酵素/Protease-None Detected	PASS
酸鹼值/pH-1.51g in 250ml H2O	10.3 ~ 10.5
酸鹼值/pH-5% in H2O	10.0 ~ 11.5
重金屬/Heavy Metals-(ppm) as Pb	≅ 2.00

鑑別/Identification-IR, Conforms to known standard

PASS

鑑別/Identification-USP (A, B, C) (TRIS)

PASS