



**Catalog Number(s):** VWRB497-500G; VWRB497-2.5KG; VWRB497-12KG; VWRB497-50KG  
**Catalog description:** TROMETHAMINE (TRIS)  
**Grade:** USP/EP/BP/JPC/ENDOTOXIN TESTED  
**Formula:** C<sub>4</sub>H<sub>11</sub>NO<sub>3</sub>  
**Formula Weight:** 121.14  
**CAS Number:** 77-86-1

Characteristics	Specifications
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**USP Specifications:**

Assay .....	99.0 – 101.0%
Endotoxins .....	≤ 2.5EU/g
Heavy Metals <231> .....	≤10 ppm
Identification A (USP).....	PASS
Identification B (USP).....	PASS
Identification C (USP).....	PASS
Loss on Drying <731> .....	≤ 1.0%
Melting range or temperature .....	168° - 172°C
pH <791> .....	10.0 – 11.5
Residue on Ignition .....	≤ 0.1%

**EP and BP Specifications:**

Appearance of Solution.....	PASS
Assay (EP) .....	99.0 – 100.5%
Chlorides (2.4.4).....	≤100 ppm
Identification B.....	PASS
Identification C .....	PASS
Iron (2.4.9).....	≤10 ppm
Loss on Drying (2.2.32).....	≤0.5%
pH (2.2.3) .....	10.0 – 11.5
Related Substances (2.2.27).....	≤1.0%
Sulfated Ash (2.4.14) .....	≤0.1%

**JPC Specifications:**

Arsenic (JPC).....	≤1.6 ppm
Assay (JPC) .....	≥99.0%
Clarity and Color of Solution (JPC) .....	PASS
Heavy Metals (JPC) .....	≤8 ppm
Identification (1).....	PASS
Identification (2).....	PASS
Loss on Drying (JPC) .....	≤0.5%
Melting Point (JPC) .....	168°C - 172°C
pH (1.0g/100mL water)@25°C.....	10.3 – 10.7
Residue on Ignition (JPC) .....	≤0.10%

**Additional Information**

Country of Origin ..... USA  
 Material is of non-animal, non-human origin  
 Storage Conditions.....15°C to 30°C