


Specification

| Concerning Product: | |
|--|--|
| Article number | 77861VRA |
| Trade name / designation / denomination | Tris (hydroxy-methyl) aminomethan (TRIS, Trometamol) |
| CAS number | 77-86-1 |
| Other names / synonyms | •Tri(hydroxymethyl)methylamine; •trometamol; |
| EC number | 201-064-4 |
| Customs tariff number / CN code / TARIC | 29221985 |
| Warning  n/a, , | |
| Causes skin irritation. Causes serious eye irritation. Wear protective gloves/protective clothing/eye protection/face protection. Specific treatment (see details on this label). Take off contaminated clothing and wash before reuse. | |

| Parameter | Test Method | Specification | Unit |
|---------------------------|----------------|-------------------------|------|
| Organoleptic test | | | |
| Appearance | | white crystalline solid | |
| Physical parameter | | | |
| Density | 1M aq, 290nm | ≤ 0,05 | g/ml |
| Substances insoluble | | ≤ 0,005 | wt % |
| Loss on drying | 3 hrs @ 105°C | ≤ 0,2 | wt % |
| pH value | 1M aq @ 25°C | 10,5 – 11,5 | |
| Solubility | (1M aq @ 20°C) | clear and colourless | |
| Identity | | | |
| Assay | Tritation | 99.9 – 100.5 | wt % |
| Identification | IR | complies | |
| Melting Point (identity) | | 168 – 172 | °C |
| Impurities | | | |
| Residue on ignition | | ≤ 0,1 | wt % |
| Heavy Metals (as Pb) | | ≤ 1,0 | ppm |
| Sulphated ash | | ≤ 0,1 | wt % |

| Related substances | | complies | % [w/w] |
|-----------------------------|--|----------|---------|
| Elemental Impurities | | | |
| Chlorides (Cl) | | ≤ 1,0 | pm |
| Iron (Fe) | | ≤ 1,0 | ppm |

Supplemental information:

Complies with monographie: EP 8.0

Chemische Werke Hommel GmbH & Co.KG

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Waltrop, 23. Aug. 2021

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