

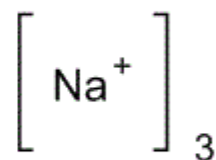
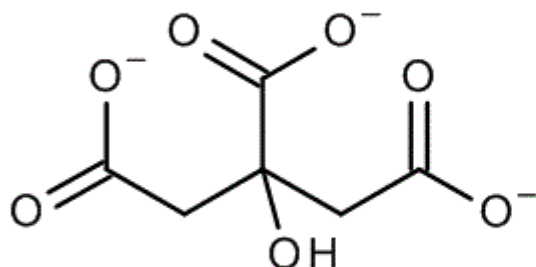
Description

Catalogue Number 106431

Product Information

CAS number 6858-44-2
EC number 200-675-3
Grade E 331
Hill Formula $\text{C}_6\text{H}_5\text{Na}_3\text{O}_7 \cdot 5,5 \text{H}_2\text{O}$
Molar Mass 258.10 g/mol
HS Code 2918 15 00

Structure formula
Image



Quality Level [MQ500](#)

Physicochemical Information

Melting Point >150 °C (anhydrous)
pH value 7.5 - 9.0 (H₂O)
Bulk density 800 kg/m³
Solubility 920 g/l

Toxicological Information

LD 50 oral LD50 Rat > 8000 mg/kg

Safety Information according to GHS

Storage class 10 - 13 Other liquids and solids

WGK WGK 1 slightly hazardous to water
3

Disposal Relatively unreactive organic reagents should be collected in container A. If halogenated, they should be collected in container B. For solid residues use container C.

Storage and Shipping Information

Storage Store at +2°C to +30°C.

Transport Information

Declaration (railroad and road) ADR, RID Kein Gefahrgut

Declaration (transport by air) IATA-DGR No Dangerous Good

Declaration (transport by sea) IMDG-Code No Dangerous Good

Specifications

Assay (perchloric acid
titration, calculated on
dried substance) $\geq 99.0\%$

Identity passes test

pH-value (5 %; water) 7.5 - 9.0

Oxalate (C₂O₄) $\leq 0.0100\%$

As (Arsenic) $\leq 0.0001\%$

Fe (Iron) $\leq 0.001\%$

Hg (Mercury) $\leq 0.0001\%$

Pb (Lead) $\leq 0.0001\%$

Loss on drying
(180 °C) $\leq 30.0\%$

Elemental impurity specifications have been set considering ICH Q3D (Guideline for Elemental Impurities). Class 1-3 elements are not likely to be present above the ICH Q3D option 1 limit, unless specified and indicated (*).

Corresponds to E 331

Conforms to the purity criteria on food additives according to the current European Commission Regulation.