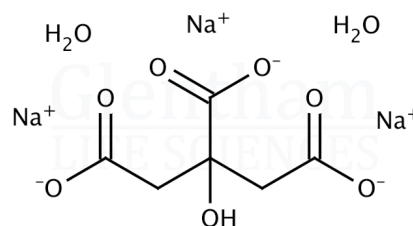


Certificate of Analysis

Product Name	Sodium citrate dihydrate
Glentham Code	GK0137
CAS Number	6132-04-3
EINECS	200-675-3
MDL Number	MFCD00150031
PubChem SID	310280082
Additional CAS	68-04-2 (anhydrous)
Batch Number	780CFI

Molecular Weight	294.10
Molecular Formula	$\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 2\text{H}_2\text{O}$
Storage Temp.	+20°C



Property	Specification	Batch 780CFI
Physical Description	White crystalline powder or colourless crystals	White crystalline powder
Identification	According to BP, EP, USP	Conforms
Solubility (10% in water)	Clear, colourless solution	Conforms
pH (5% in water)	7.5 - 9.0	8.8
Acidity or Alkalinity	To pass test	Conforms
Readily Carbonisable Substances	To pass test	Conforms
Chlorides	≤ 50ppm	Conforms
Oxalates	≤ 100ppm	Conforms
Sulphates	≤ 150ppm	≤ 100ppm
Arsenic (As)	≤ 1ppm	Conforms
Heavy Metals (as Pb)	≤ 10ppm	≤ 5ppm
Lead (Pb)	≤ 1ppm	Conforms
Mercury (Hg)	≤ 1ppm	Conforms
Water	11.0 - 13.0 %	12.2%
Assay	99.0 - 101.0 % (anhydrous basis)	99.9%
Pharmacopoeia Specification(s)	BP, EP, USP	Conforms

Specification Version	v1.2
Manufacture Date	2023-02-15
Re-Test Date	2032-06-14

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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