

TIQ-F-QC-001 Rev.00

Certificate Of Analysis

Product Name : Tri-Sodium Citrate Dihydrate AR

Catalog Number : O-5289

Batch Number : 5289-00000000

CAS Number : 6132-04-03

Molecular Weight : 294.10 g/mol

Mol. Formula : $\text{Na}_3\text{C}_6\text{H}_5\text{O}_7 \cdot 2\text{H}_2\text{O}$

Expire Date : 60 months

SAMPLE

No	Test	Specifications	Results
1	Appearance	A white crystalline powder or white granular crystals, or colourless crystals, slightly deliquescent in nature	Complies
2	Assay (by HClO_4 titration)	99 - 100.5%	99.535%
3	Solubility	10% solution in water is clear and colourless	Complies
4	Identification	Passes test	Complies
5	Reducing substances	Passes test	Complies
6	Insoluble matter	max 0.005 %	0.0025%
7	Acidity or alkalinity (as HCl or NaOH)	Passes test	Passes test
8	pH (50 mg/mL in water; 25°C)	7.5 - 9.0	8.25
9	Arsenic (As)	max 0.0001 %	0.000048%
10	Chloride (Cl)	max 0.003 %	0.0012%
11	Sulphate (SO_4)	max 0.005 %	0.0035%
12	Ammonium (NH_4)	max 0.003 %	0.0021%
13	Copper (Cu)	max 0.001 %	0.00075%
14	Calcium (Ca)	max 0.005 %	0.0028%
15	Heavy metals (by ICP-OES)	max 0.0005 %	0.00022%
16	Iron (Fe)	max 0.0005 %	0.00019%
17	Lead (Pb)	max 0.0001 %	0.000066%
18	Oxalate (as C_2O_4)	max 0.01 %	0.008%
19	Tartrate (C_4H_6)	passes test	Complies
20	Readily carbonisable substance	passes test	Complies
21	Water (by KF)	11.0 - 13.0 %	12.455%

Corresponds to AR Grade (meets of BP/IP/Ph Eur)

LABOTIQ product is of Analytical Reagent (AR) grade and meets the relevant Analytical Specifications of IP/BP/USP and Ph.Eur.SUDIRO S.Si.
Manager QC