



Certificate of Analysis.

Citric acid monohydrate for Voltammetry.

Product code:	BS13784.
Description:	Citric acid monohydrate for Voltammetry.
Chemical Name:	Citric acid hydrate.
Pack:	100 gm.
CAS NO.:	5949-29-1.
Mol. Weight:	210.14 g/mol.
Mol. Formula:	C₆H₁₀O₈.
MDL Number:	MFCD00008765.
Melting point:	-94°C.
Boiling Point:	56°C.
Density:	0.791 g/cm³.
Solubility:	Soluble in water.
Storage:	Store at ambient temperature.
LOT NO.:	Sample.
Manufacture Date:	Lot specific.
Expiry Date:	5 years.

Test	Specification	Measured Values
Appearance:	White crystals or powder.	Lot specific.
Silver (Ag):	Max. 0.01 ppm.	Lot specific.
Aluminium (Al):	Max. 0.05 ppm.	Lot specific.
Arsenic (As):	Max. 0.01 ppm.	Lot specific.
Gold (Au):	Max. 0.01 ppm.	Lot specific.
Barium (Ba):	Max. 0.05 ppm.	Lot specific.
Beryllium (Be):	Max. 0.01 ppm.	Lot specific.
Bismuth (Bi):	Max. 0.01 ppm.	Lot specific.
Calcium (Ca):	Max. 0.1 ppm.	Lot specific.
Cadmium (Cd):	Max. 0.01 ppm.	Lot specific.
Cerium (Ce):	Max. 0.01 ppm.	Lot specific.
Cobalt (Co):	Max. 0.01 ppm.	Lot specific.
Chromium (Cr):	Max. 0.01 ppm.	Lot specific.
Chromium (Cr):	Max. 0.05 ppm.	Lot specific.
Cesium (Cs):	Max. 0.01 ppm.	Lot specific.
Copper (Cu):	Max. 0.01 ppm.	Lot specific.
Dysprosium (Dy):	Max. 0.01 ppm.	Lot specific.
Erbium (Er):	Max. 0.01 ppm.	Lot specific.

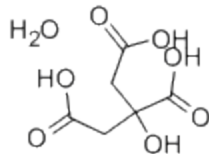


Europium (Eu):	Max. 0.01 ppm.	Lot specific.
Iron (Fe):	Max. 0.1 ppm.	Lot specific.
Gadolinium (Gd):	Max. 0.01 ppm.	Lot specific.
Germanium (Ge):	Max. 0.01 ppm.	Lot specific.
Hafnium (Hf):	Max. 0.01 ppm.	Lot specific.
Mercury (Hg):	Max. 5 ppb.	Lot specific.
Holmium (Ho):	Max. 0.01 ppm.	Lot specific.
Indium (In):	Max. 0.01 ppm.	Lot specific.
Iridium (Ir):	Max. 0.01 ppm.	Lot specific.
Potassium (K):	Max. 0.1 ppm.	Lot specific.
Lanthanum (La):	Max. 0.01 ppm.	Lot specific.
Lithium (Li):	Max. 0.01 ppm.	Lot specific.
Lutetium (Lu):	Max. 0.01 ppm.	Lot specific.
Magnesium (Mg):	Max. 0.05 ppm.	Lot specific.
Manganese (Mn):	Max. 0.01 ppm.	Lot specific.
Molybdenum (Mo):	Max. 0.01 ppm.	Lot specific.
Sodium (Na):	Max. 2 ppm.	Lot specific.
Niobium (nb):	Max. 0.01 ppm.	Lot specific.
Neodymium (nd):	Max. 0.01 ppm.	Lot specific.
Nickel (Ni):	Max. 0.01 ppm.	Lot specific.
Lead (Pb):	Max. 0.05 ppm.	Lot specific.
Palladium (Pd):	Max. 0.01 ppm.	Lot specific.
Praseodymium (Pr):	Max. 0.01 ppm.	Lot specific.
Platinum (Pt):	Max. 0.01 ppm.	Lot specific.
Rubidium (Rb):	Max. 0.01 ppm.	Lot specific.
Rhodium (Rh):	Max. 0.01 ppm.	Lot specific.
Ruthenium (Ru):	Max. 0.01 ppm.	Lot specific.
Antimony (Sb):	Max. 0.01 ppm.	Lot specific.
Scandium (Sc):	Max. 0.05 ppm.	Lot specific.
Selenium (Se):	Max. 0.05 ppm.	Lot specific.
Samarium (Sm):	Max. 0.01 ppm.	Lot specific.
Tin (Sn):	Max. 0.01 ppm.	Lot specific.
Strontium (Sr):	Max. 0.01 ppm.	Lot specific.
Tantalum (Ta):	Max. 0.01 ppm.	Lot specific.
Terbium (Tb):	Max. 0.01 ppm.	Lot specific.
Tellurium (Te):	Max. 0.01 ppm.	Lot specific.
Thorium (Th):	Max. 0.01 ppm.	Lot specific.
Titanium (Ti):	Max. 0.05 ppm.	Lot specific.
Thallium (Tl):	Max. 0.01 ppm.	Lot specific.
Thulium (Tm):	Max. 0.01 ppm.	Lot specific.



Uran (U):	Max. 0.01 ppm.	Lot specific.
Vanadium (V):	Max. 0.01 ppm.	Lot specific.
Tungsten (W):	Max. 0.01 ppm.	Lot specific.
Yttrium (Y):	Max. 0.01 ppm.	Lot specific.
Ytterbium (Yb):	Max. 0.01 ppm.	Lot specific.
Zinc (Zn):	Max. 0.01 ppm.	Lot specific.
Zirconium (Zr):	Max. 0.01 ppm.	Lot specific.
Bromide (Br):	Max. 2000 ppb.	Lot specific.
Chloride (Cl):	Max. 10000 ppb.	Lot specific.
Fluoride (F):	Max. 2000 ppb.	Lot specific.
Iodide (I):	Max. 2000 ppb.	Lot specific.
Nitrite (NO ₂):	Max. 2000 ppb.	Lot specific.
Nitrate (NO ₃):	Max. 10000 ppb.	Lot specific.
Phosphate (PO ₄):	Max. 2 ppm.	Lot specific.
Sulfate (SO ₄):	Max. 10000 ppb.	Lot specific.
Acetate (C ₂ H ₃ O ₂):	Max. 5000 ppb.	Lot specific.
Formate (CHO ₂):	Max. 5000 ppb.	Lot specific.
Glycolate (C ₂ H ₃ O ₃):	Max. 5000 ppb.	Lot specific.
Oxalate (C ₂ O ₄):	Max. 5000 ppb.	Lot specific.
Total N:	Max. 5 ppm.	Lot specific.
Tartrate:	Max. 0.2 %.	Lot specific.
Purity:	>99.9%.	Lot specific.

Please Note: - This material is only for laboratory purpose and not for human consumption. This is a computer generated COA, no stamp or signature is required.




Dr. K. Deepti.
Technical Head.

