

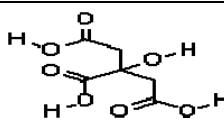


# HAIQIANG CHEMICALS CO., LTD

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## CERTIFICATE OF ANALYSIS

NO: HQC081210102

Product name	Citric acid anhydrous	CAS Number	77-92-9
Molecule Structure		Molecule Formula	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>
Manuf. Date:	2012-08-12	Exp. Date	2014-08-02
Quantity	25T	Mesh size	30-100mesh
Batch number	20120812	Report Date	2012-08-12

Items	Standard	Result
Appearance	Colorless crystals or crystalline powder	Conform
Identification	Pass testing	Pass
Appearance of solution	Pass testing	Pass
Assay	99.5%-100.5%	99.62%
Sulphate	150ppm max	10ppm max
Oxalate	100ppm max	10ppm max
Heavy metal(as Pb)	5ppm max	1ppm max
Barium	Pass	Pass
Calcium	75ppm max	20ppm max
Iron	5ppm max	2ppm max
Chloride	50ppm max	10ppm max
Sulphated ash	0.05% max	0.022%
Moisture	0.5% max	0.1332%
Readily carbonisable substances	Less than standard	Pass
Lead	0.5ppm max	0.1ppm max
As	1ppm max	0.1ppm max
Mercury	1ppm max	0.1ppm max
Aluminium	0.2ppm max	0.2ppm max
Bacteria Endotoxin	0.5IU/mg max	0.5IU/mg max
Organic volatile impurities	Pass	Pass
Tridodecylamine	0.1ppm max	0.1ppm max
Ultraviolet absorbance	Pass	Pass
<b>Conclusion: This goods conforms to the standard of BP2012/USP32/FCC/E330.</b>		

HAIQIANG CHEMICALS CO.LTD  
QUALITY CONTROL:  
QUALITY CONTROL DEP.

CHECK: 姚仙娟

INSPECTOR: 刘清风

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