

TECHNICAL DATA SHEET

Effective date: 04.2019

Citric acid

INFORMATION ON SUBSTANCE / MIXTURE

INCI	Citric acid
Chemical formula	$C_6H_8O_7 \cdot H_2O$
Manufacturing process	It occurs naturally in citrus fruits. In biochemistry, it is an intermediate in the citric acid cycle, which occurs in the metabolism of all aerobic organisms. It is obtained by the biofermentation of glucose derived from corn starch, tapioca or potato.
Description	Citric acid monohydrate
Molecular weight	210.14

TECHNICAL DATA

Physical parameters

Appearance	Solid, crystalline powder
Color	White to off-white
Odor	Characteristic, acidic
Solubility	Very soluble in water, freely soluble in ethanol (96°)
Particle size	8-80 mesh

Chemical parameters

Assay	99.5 – 100.5 %
Water	7.5 – 8.8 %
Chloride	50 ppm
Sulphated ash	0.05 %
Sulphate	150 ppm
Oxalic acid	100 ppm
Calcium	75 ppm
Iron	5 ppm
Aluminum	0.2 ppm
Arsenic	1 ppm
Lead	0.5 ppm
Mercury	1 ppm

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Heavy metals	< 5 ppm
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TRANSPORT, STORAGE and SHELF LIFE

Storage conditions	Store in closed containers, keep dry and avoid humidity
Shelf Life	36 months, in closed packaging under the recommended conditions.
Custom tariff	-

LEGISLATION

Certification	-
EINECS	201-069-1
CAS	5949-29-1

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