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CZECH REPUBLIC

CITRIC ACID MONOHYDRATE (CAM)
CITRIC ACID ANHYDROUS (CAA)

<i>Chemical formula</i>		<i>rel. mol. Weight</i>	<i>CAS Nr.</i>
Anhydrous	C₆H₈O₇	192.13	77-92-9
monohydrate	C₆H₈O₇ · H₂O	210.14	5949-29-1
			EINECS Nr.: 2010691

Quality standard : PND 50-600-04

Below mentioned quality parameters comply with BP2003/EurPh4/USPXXVII/E330 standards.

Chemical and physical requirements

Quality parameter	Unit		Guaranteed value
Citric acid	%		99,5 - 100,5
Appearance of solution	test		passes test
Heavy metals (as Pb)	%	max.	0,0005
Lead (Pb)	%	max.	0,0001
Sulphates (SO ₄)	% / test	max.	0,015 / passes test of USPXXVII
Oxalic acid	%	max.	0,01
Readily carbonisable substances	test		passes test
Sulphated ash	%	max.	0,05
Water			
- CAA	%	max.	0,5
- CAM	%		7,5 - 8,8
Arsenic (As)	%	max.	0,0001
Mercury (Hg)	%	max.	0,0001

Characteristics: Colourless crystals or a white, crystalline powder. Very soluble in water, freely soluble in ethanol, sparingly soluble in ether.

Packing: 25 kg multiply paper bags with plastic inlay, on pallets with base dim. 80x120 cm, per 1000 kg, shrinkwrapped. Polypropylene big bags 500 - 1000 kg on pallets 100 x 120 cm optionally available.

Storage terms: Store in indoor, dry warehouses free of chemical exhalations, in original intact packing. Recommended storage temperature + 5^o C through + 30^oC, recommended relative air humidity max. 75 %. Use within 24 months from the date of manufacture.

Hazard statements: H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Precautionary statements: P280 Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+313 If eye irritation persists: Get medical advice/attention.

Transport regulations: not classified as dangerous substance according to ADR/RID/GGVS/GGVE/IMDG/IATA/ICAO.