

**OMGD, s. r. o.**  
**Provozovna Kaznejov**  
**Pod Tovarnou 92**  
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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>
<b>Anhydrous</b>	<b>C<sub>6</sub>H<sub>8</sub>O<sub>7</sub></b>	<b>192.13</b>	<b>77-92-9</b>
<b>monohydrate</b>	<b>C<sub>6</sub>H<sub>8</sub>O<sub>7</sub> · H<sub>2</sub>O</b>	<b>210.14</b>	<b>5949-29-1</b>
			<b>EINECS Nr.: 2010691</b>

**Quality standard : PND 50-600-04**

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

**Chemical and physical requirements**

<b>Quality parameter</b>	<b>Unit</b>		<b>Guaranteed value</b>
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 <sub>4</sub> )	% / 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<sup>o</sup> C through + 30<sup>o</sup>C, 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.