

## CERTIFICATE OF ANALYSIS

Product Description	Batch	Re-Test Date	Customer Reference
CITRIC ACID GRANULES	9947	12/2025	

PARAMETERS	SPECIFICATION	RESULTS
<b>Colour and Appearance:</b>	Colourless crystals	Comparable to standard
<b>Odour:</b>	none	Comparable to standard
<b>Melting Point:</b>	~153°C	Complies
<b>pH @ 25°C (solution):</b>	1.7 - 2.0 (100 g/l)	1.6
<b>Specific Gravity @ 20°C</b>	1.665	Complies
<b>Bulk Density @ 20°C:</b>	Bulk density 400 - 1300 kg/m <sup>3</sup>	Complies
<b>Solubility in water:</b>	576 - 1330 g/l water @ 20°C	603g/l
<b>Water</b>	Max 0.50%	0.18
<b>Assay</b>	99.7 - 100.3%	99.9
<b>Oxalic acid / oxalate</b>	≤ 50mg/Kg	Conforms
<b>Sulphate</b>	≤ 50mg/Kg	Conforms
<b>Heavy metals</b>	≤ 5mg/Kg	Conforms
<b>Arsenic</b>	≤ 0.1mg/Kg	Conforms
<b>Lead</b>	≤ 0.1mg/Kg	Conforms
<b>Mercury</b>	≤ 0.1mg/Kg	Conforms
<b>Chloride</b>	≤ 5mg/Kg	Conforms

### DECLARATION

The information contained herein is true and accurate to the best of our knowledge and belief, but does not claim to be all inclusive. Users should conduct their own tests to determine the suitability of the product for their own specific use. Since the conditions of use are out of our control, Soapmakers shall not be held liable for any damage resulting from handling, application or processing of this material.

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This product has not been tested on animals.