

**Changes to legislation:** There are currently no known outstanding effects for the Commission Regulation (EU) No 231/2012, E 574 GLUCONIC ACID. (See end of Document for details)

## ANNEX

**E 574 GLUCONIC ACID**

<b>Synonyms</b>	D-gluconic acid; Dextronic acid
<b>Definition</b>	Gluconic acid is an aqueous solution of gluconic acid and glucono-delta-lactone
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Chemical name	Gluconic acid
Chemical formula	C <sub>6</sub> H <sub>12</sub> O <sub>7</sub> (gluconic acid)
Molecular weight	196,2
Assay	Content not less than 49,0 % (as gluconic acid)
<b>Description</b>	Colourless to light yellow, clear syrupy liquid
<b>Identification</b>	
Formation of phenylhydrazine derivative	Positive. Compound formed melts between 196 °C and 202 °C with decomposition
<b>Purity</b>	
Residue on ignition	Not more than 1,0 % 550 °C +/- 20 °C till disappearance of organic residues (black spots).
Reducing matter	Not more than 2,0 % (as D-glucose)
Chloride	Not more than 350 mg/kg
Sulphate	Not more than 240 mg/kg
Sulphite	Not more than 20 mg/kg
Arsenic	Not more than 3 mg/kg
Lead	Not more than 1 mg/kg
Mercury	Not more than 1 mg/kg

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