

Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EU) No 231/2012, E 622 MONOPOTASSIUM GLUTAMATE. (See end of Document for details)

ANNEX

E 622 MONOPOTASSIUM GLUTAMATE

Synonyms	Potassium glutamate; MPG
Definition	
Einecs	243-094-0
Chemical name	Monopotassium L-glutamate monohydrate
Chemical formula	$C_5H_8KNO_4 \cdot H_2O$
Molecular weight	203,24
Assay	Content not less than 99,0 % and not more than 101,0 % on the anhydrous basis
Solubility	Freely soluble in water; practically insoluble in ethanol or ether
Description	White, practically odourless crystals or crystalline powder
Identification	
Test for potassium	Passes test
Test for glutamic acid (by thin-layer chromatography)	Passes test
Specific rotation	$[\alpha]_D^{20}$ between + 22,5° and + 24,0° (10 % solution (anhydrous basis) in 2N HCl, 200 mm tube)
pH	Between 6,7 and 7,3 (2 % solution)
Purity	
Loss on drying	Not more than 0,2 % (80 °C, 5 hours)
Chloride	Not more than 0,2 %
Pyrrolidone carboxylic acid	Not more than 0,2 %
Lead	Not more than 1 mg/kg

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