

ANNEX I

E 624 MONOAMMONIUM GLUTAMATE

Synonyms	Ammonium glutamate
Definition	
Chemical name	Monoammonium L-glutamate monohydrate
Einecs	231-447-1
Chemical formula	$C_5H_{12}N_2O_4 \cdot H_2O$
Molecular weight	182,18
Assay	Content not less than 99,0 % and not more than 101,0 % on the anhydrous basis
Description	White, practically odourless crystals or crystalline powder
Identification	
A. Positive test for ammonium	
B. Positive test for glutamic acid by thin-layer chromatography	
C. Specific rotation $[\alpha]_D^{20}$	Between 25,4° and 26,4° (10 % solution (anhydrous basis) in 2N HCl, 200 mm tube)
D. pH of a 5 % solution	Between 6,0 and 7,0
Purity	
Loss on drying	Not more than 0,5 % (50 °C, 4h)
Sulphated ash	Not more than 0,1 %
Pyrrolidone carboxylic acid	Not more than 0,2 %
Lead	Not more than 2 mg/kg