

ANNEX I

E 628 DIPOTASSIUM GUANYLATE

Synonyms	Potassium guanylate, potassium 5'-guanylate
Definition	
Chemical name	Dipotassium guanosine-5'-monophosphate
Einecs	226-914-1
Chemical formula	C ₁₀ H ₁₂ K ₂ N ₅ O ₈ P
Molecular weight	439,4
Assay	Content not less than 97,0 % on the anhydrous basis
Description	Odourless, colourless or white crystals or white crystalline powder
Identification	
A. Positive test for ribose, for organic phosphate, and for potassium	
B. pH of a 5 % solution	Between 7,0 and 8,5
C. Spectrometry:	maximum absorption of a 20 mg/l solution in 0,01N HCl at 256 nm
Purity	
Loss on drying	Not more than 5 % (120 °C, 4h)
Other nucleotides	Not detectable by thin-layer chromatography
Lead	Not more than 2 mg/kg