

Changes to legislation: There are currently no known outstanding effects for the Commission Regulation (EU) No 231/2012, E 634 CALCIUM 5'-RIBONUCLEOTIDE. (See end of Document for details)

ANNEX

E 634 CALCIUM 5'-RIBONUCLEOTIDE

Synonyms	
Definition	
Einecs	
Chemical name	Calcium 5'-ribonucleotide is essentially a mixture of calcium inosine-5'-monophosphate and calcium guanosine-5'-monophosphate
Chemical formula	$C_{10}H_{11}N_4CaO_8P \cdot nH_2O$ $C_{10}H_{12}N_5CaO_8P \cdot nH_2O$
Molecular weight	
Assay	Content of both major components not less than 97,0 %, and of each component not less than 47,0 % and not more than 53 %, in every case on the anhydrous basis
Solubility	Sparingly soluble in water
Description	Odourless, white or nearly white crystals or powder
Identification	
Test for ribose	Passes test
Test for organic phosphate	Passes test
Test for calcium	Passes test
pH	Between 7,0 and 8,0 (0,05 % solution)
Purity	
Water content	Not more than 23,0 % (Karl Fischer)
Other nucleotides	Not detectable by thin-layer chromatography
Lead	Not more than 1 mg/kg

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