



Raya Ecto Pyrimidine

INCI name:	Ectoin
Trade name:	Raya Ecto Pyrimidine
Chemical description:	(4S)-2-methyl-1,4,5,6-tetrahydro- pyrimidine-4-carboxylic acid
Molecular weight:	142,16 g/mol
Molecular formular:	$C_6H_{10}N_2O_2$
CAS-No.:	96702-03-03
EC-No.:	431-910-1
Application	cosmetics / medicine
Packaging:	in aluminium foiled bags
Filling quantity	1 kg/bag 5 kg/bag
Shelf life:	up to 2 years, not opened
Storage conditions:	dry and cool unopened



Product Specification Raya Ecto Pyrimidine

Test	Specification	Batch 201905001
Appearance	white or almost white crystals	conforms
Assay (%)	> 99,9	99,71
Assay HPLC (%)	> 96,0	98,5
Chloride (%)	< 0,05	< 0,05
Loss on drying	< 0,5	0,10
pH	6,0 – 8,0	6,77
Water	negative	conforms
Specific rotation (°C)	+138 – +145	139,5
Residue on Ignition (%)	< 0,1	0,08
Heavy metals (Pb)	< 10 ppm	conforms
Arsenic (As)	< 2 ppm	conforms
Hydroxyectoine (%)	< 5,0	0,41