



Raya Ecto Pyrimidine

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| INCI name: | Ectoin |
| Trade name: | Raya Ecto Pyrimidine |
| Chemical description: | (4S)-2-methyl-1,4,5,6-tetrahydro- pyrimidine-4-carboxylic acid |
| 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 Spezifikation

Raya Ecto Pyrimidine

| Test | Spezifikation | Batch 201905001 |
|-----------------------|--|-----------------|
| Appearance | White or almost white crystals | conforms |
| Identification | | |
| Molecular weight | 142,16 g/mol | |
| Molecular formula | C ₆ H ₁₀ N ₂ O ₂ | |
| Properties | | |
| Assay | > 99,0 % | 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 | +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 % |