

Specification

Formula Hill: C₆₃H₁₁₀O₄₅
Molar Mass: 1588 g/mol
CAS N°: 128446-34-4

122970 (2-Hydroxypropyl)-γ-cyclodextrin

| | Specification |
|--------------------------------|---------------------------------|
| Identity (IR) | conforms |
| Molar substitution (MS) | 0,40 - 1,50 |
| Appearance of solution | clear and colorless |
| Colour | white or almost white |
| Appearance | amorphous or crystalline powder |
| Conductivity | ≤ 200 μS/cm |
| Degree of substitution (DS) | 3,20 - 12,00 |
| pH value | 5,0 - 7,5 |
| Solubility in propylene glycol | freely soluble |
| Solubility in water | freely soluble |
| Impurity A | ≤ 1,5 % |
| Impurity B (GC) | ≤ 2,5 % |
| Sum of impurities other than A | ≤ 1,0 % |
| Heavy metals | ≤ 0,0020 % |
| Loss on drying | ≤ 10,0 % |
| Aerobic count | ≤ 1000 cfu/g |
| Total yeast and mould | ≤ 100 cfu/g |
| E. coli | absent |
| Salmonella | absent |
| Bacterial endotoxins | ≤ 50 IU/g |