



# SPECIFICATION

## Hardener 1207

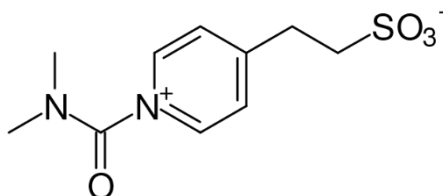
Version 15 / 14.11.2022

**Code No.** 12070

**CAS No.** 136997-71-2

**Chemical Name** **1-Dimethylcarbamoyl-4-(2-sulfoethyl)pyridinium betaine**  
2-(1-Dimethylcarbamoyl-4-pyridyl)ethane sulfonic acid inner salt

### Structure



**Molecular Formula** C<sub>10</sub>H<sub>14</sub>N<sub>2</sub>O<sub>4</sub>S

**Molecular Weight** 258.30

**Product Properties** **Appearance** beige to greyblue crystalline powder

**Assay (%)** ≥ 97.5 (HPLC)

**Melting point (°C)** 172 - 178

**Loss on drying (%)** ≤ 1.0

**pH value (10% water)** 4.0 - 5.0

**PESA (%)** ≤ 2.5 (HPLC)

**TEA-HCl (%)** ≤ 0.5 (Titration)

**DMCC (ppm)** ≤ 5

**Storage** T < 10°C, rel. humidity max 70%, tightly closed. Durability 12 months

**Application** Hardener in photography

*Changes in comparison to previous issue: Layout*