

Product Name: Sodium 1-pentanesulfonate monohydrate, HPLC grade
Catalog Number: 015714.22

CAS Number: 207605-40-1
IUPAC Name: pentane-1-sulfonate
Molecular Formula: C₅H₁₁O₃S
Molecular Weight: 151.20
InChI Key: RJQRCOMHVBQLQH-UHFFFAOYSA-M
SMILES: CCCCCS([O-])(=O)=O
Synonym: pentane-1-sulfonate

Product Specification

Appearance (Color): White
Form: crystalline powder
Optical Absorbance at: 220nm: <0.100 AU (0.25M aq. solution)
Optical Absorbance at: 210nm: <0.200 AU (0.25M aq. solution)
Optical Absorbance at: 240nm: <0.050 AU (0.25M aq. solution)
Optical Absorbance at: 250nm: <0.050 AU (0.25M aq. solution)
Optical Absorbance at: 260nm: <0.040 AU (0.25M aq. solution)
Optical Absorbance at: 230nm: <0.075 AU (0.25M aq. solution)
Solution Test: 10% aq. solution: Clear and colorless
Residual water: 7 to 9%
Optical Absorbance at: 200nm: <0.300 AU (0.25M aq. solution)
Assay (unspecified): ≥98.0%

Date Of Print: 12/14/2025

Product Specifications are subject to amendment and may change over time. Data contained is accurate as of the date printed.