

Analytical Data Sheet

Lot number **1075555**
not for drug use

Catalog number **Q-1640.0005**
Product number **4014027.0005**
Product **Phosphoenolpyruvate potassium salt**
Molecular formula **C₃H₄KO₆P**
Relative molecular mass **206.13**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in water)
Identification (elemental analysis)	Theory Found C = 17.5% C = 17.3% H = 2.0% H = 1.9% N = 0.0% N = 0.0%
Identification (TLC)	complies with reference
Purity (TLC)	> 98%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 2-butanol/pyridine/H ₂ O 7/7/6 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB, ammoniummolybdate, lod
Assay (titration)	98.2% (TBAH)
Water content (KF volumetric)	0.8%

Latest update: February 08, 2018

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