

Analytical Data Sheet

Lot number **1069359**
not for drug use

Catalog number **Q-1365.0025**
Product number **4002126.0025**
Product **Oxythiamine · HCl**
Molecular formula **C₁₂H₁₆ClN₃O₂S · HCl**
Relative molecular mass **338.26**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	Theory Found C = 42.6% C = 42.7% H = 5.1% H = 5.0% N = 12.4% N = 12.4%
Identification (TLC)	complies with authentic material
Purity (TLC)	95%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	98.5% (Nth 12.42%, Nfd 12.23%)
Chloride content (titration)	20.8%

Latest update: January 05, 2017

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