

## Analytical Data Sheet

Lot number **1000022699**  
not for drug use

Catalog number **E-2430.0005**  
Product number **4001337.0005**  
Product **H- Thr- OBzl · oxalate (1:1)**  
Molecular formula  $C_{11}H_{15}NO_3 \cdot C_2H_2O_4$   
Relative molecular mass 299.28

Tests	Results
Appearance of container	the container is in good condition and the label displays the correct product name
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol 80%)
Identification (TLC)	complies with authentic material
Melting point	148 °C
Specific optical rotation	$[\alpha]_D^{24} = -18.5^\circ$ (1% in water)
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% H-Thr-OH
TLC conditions	n-butanol/acetic acid/H <sub>2</sub> O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	> 99.7% L-Thr < 0.1% D-Thr < 0.1% L-allo-Thr < 0.1% D-allo-Thr
Other amino acids (GC)	< 0.1%
Assay (elemental analysis)	99.9% (Cth 52.17%, Cfd 52.13%)
Water content (KF volumetric)	0.3%