

## Analytical Data Sheet

Lot number **1000032241**  
not for drug use

**Catalog number** C-2730.0025  
**Product number** 4001149.0025  
**Product** Z- Tyr- OH  
**Molecular formula** C<sub>17</sub>H<sub>17</sub>NO<sub>5</sub>  
**Relative molecular mass** 315.33

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in methanol)
<b>Identification (ESI-MS)</b>	m = 315.1u(monoisotopic mass)
<b>Identification (TLC)</b>	Rf value in agreement with authentic material
<b>Purity (HPLC)</b>	99.68% (TFA)
<b>Related impurities (HPLC)</b>	not det. Z-Tyr(Z)-OH 0.03%% Z-Tyr-Tyr-OH ≤ 0.04% each single unspecified (RRT 1.37)
<b>Related impurities (TLC)</b>	< 0.1% H-Tyr-OH
<b>TLC conditions</b>	ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/30/9/16.5 chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/acetic acid/H <sub>2</sub> O 45/13/1/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, TMB
<b>Enantiomer content (chiral chromatography)</b>	< 0.10% D-enantiomer
<b>Assay (titration)</b>	89.7% (TBAH)
<b>Water content (KF volumetric)</b>	9.9%

Latest update: May 06, 2020

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