

# Analytical Data Sheet

Lot number

**1014169**

not for drug use

<b>Catalog Number</b>	<b>P-1105.0005</b>
<b>Product number</b>	<b>4010421.0005</b>
<b>Product</b>	<b>2- Hydroxyethyloctylsulfoxide</b>
<b>Molecular formula</b>	$C_{10}H_{22}O_2S$
<b>Relative molecular mass</b>	206.35

Tests	Results
<b>Appearance</b>	white powder
<b>Appearance of solution</b>	clear, colorless solution (50 mg/ml in MeOH)
<b>Identification (IR)</b>	conforms with authentic material
<b>Identification (TLC)</b>	conforms with authentic material
<b>Purity (TLC)</b>	> 99%
<b>TLC conditions</b>	chloroform/methanol 9/1 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
<b>Assay (elemental analysis)</b>	99.4% (Cth 58.21 %, Cfd 57.88 %)
<b>Water content (KF volumetric)</b>	< 0.1%
Latest update: October 24, 2008	<b>Analytical Data Sheet</b> Lot number <b>1014169</b>