

# Certificate of Analysis

SIGMA-ALDRICH

**Product Name** 3-Octanol,  
natural, ≥97%, FCC, FG  
**Product Number** W358126  
**Product Brand** ALDRICH  
**CAS Number** [589-98-0](#)  
**Molecular Formula** CH<sub>3</sub>(CH<sub>2</sub>)<sub>4</sub>CH(OH)CH<sub>2</sub>CH<sub>3</sub>  
**Molecular Weight** 130.23  
**Storage Temp** room temp

## TEST

## SPECIFICATION

## LOT MKBB5752V RESULTS

<b>Appearance (Color)</b>	Colorless	Colorless
<b>Appearance (Form)</b>	Liquid	Liquid
<b>Refractive index at 20 ° C</b>	1.425 - 1.429	1.427
<b>Infrared spectrum</b>	Conforms to Structure	Conforms
<b>Purity (GC)</b>	≥97.0 %	98.3 %
<b>Specific Gravity</b>	0.817 - 0.824 g/cm <sup>3</sup> @ 25 Degrees Celsius	0.823 g/cm <sup>3</sup>
<b>Solubility (Turbidity)</b>	Clear	Clear
<b>Solubility (Color)</b>	Colorless	Colorless
	1ML/1ML, 95% ETOH;	
<b>13Carbon Analysis</b>	≥0.00 ppm	30.05 ppm
<b>14Carbon Analysis</b>	≥0.00 dpm/gC	14.07 dpm/gC
<b>Deuterium Analysis</b>	≥0.0 ppm	260.0 ppm
	The above analysis is consistent with that found for material or natural origin. This information is non-transferrable; it is for the sole and exclusive use of the immediate buyer.	
<b>Arsenic (As)</b>	≤3 ppm	< 1 ppm
<b>Cadmium (Cd)</b>	≤1 ppm	< 1 ppm
<b>Mercury (Hg)</b>	≤1 ppm	< 1 ppm
<b>Lead ( Pb)</b>	≤10 ppm	< 1 ppm
<b>Specification Date:</b>		FEB 2008
<b>Date of QC Release:</b>		JUN 2009
<b>Print Date:</b>		JUN 03 2009

A handwritten signature in black ink, reading "Barbara Rajzer". The script is fluid and cursive, with the first name "Barbara" and last name "Rajzer" clearly distinguishable.

Barbara Rajzer, Supervisor  
Quality Control  
Milwaukee, Wisconsin USA