



# INDOFINE Chemical Company, Inc.

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## *Certificate of Analysis*

Catalogue Number 04-1964  
Lot Number 000424-140217-11856  
Product **Leu-Leu-OH**

L-Leucyl-L-leucine

CAS Number 3303-31-9  
Molecular Formula  $C_{12}H_{24}N_2O_3$   
Molecular Weight 244.33

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Appearance White powder  
TLC System Chloroform/methanol/ammonia 32% 5/3/1  
n-Butanol/acetic acid/water 4/2/2  
Ethylacetate/pyridine/acetic acid/water 60/30/9/16.5  
Plate: silicagel 60 F<sub>254</sub>  
detected by: UV, ninhydrin, chlorine-tolidine  
Analysis by Mass Spectra Conforms to standard  
Purity by HPLC 98.42%  
Storage Store at RT