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Product Specifications

Catalogue Number 05774

Product

DL- α -Methvlleucine

α -Me-DL-Leu-OH

(RS)-2-Amino-2,4-dimethylpentanoic acid

CAS Number 144-24-1

Molecular Formula C₇H₁₅NO₂

Molecular Weight 145.21

Appearance White powder

Solubility Clear colorless solution (25 mg/mL in 80% Acetic acid)

Water Content (Karl Fisher) $\leq 1\%$

TLC System Chloroform/Methanol/Acetic acid 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 F₂₅₄
Detected by : UV, ninhydrin, chlorine-tolidine

Assay by titration 99 - 100%

Purity by TLC $\geq 99\%$

Storage Store at 0 - 8 °C

For Laboratory Use Only