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SPECIFICATIONS

Product name: L- Leucine

CAS no.: 61-90-5

Quality standard: EP5

**Characters: white or almost white crystalline powder
sparingly soluble in water**

Test Items	Limit
Identification	as per EP5
Appearance of solution	clear and not more intensely coloured than reference solution BY ₆
Specific optical rotation	+14.5° to +16.5°
Ninhydrin-positive substances	as per EP5
Chlorides	≤200ppm
Sulphates	≤300ppm
Ammonium	≤200ppm
Iron	≤10ppm
Heavy metals	≤10ppm
Loss on drying	≤0.5%
Sulphated ash	≤0.1%
Assay	98.5% to 101.0%

Storage: Preserve in well-closed containers and protected from light