

# Certificate of Analysis

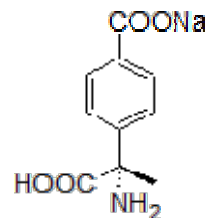


## Product Identification

**Catalog number** HB6112  
**Compound name** S-MCPG Sodium Salt  
**Chemical name** (S)- $\alpha$ -Methyl-4-carboxyphenylglycine monosodium salt

**Batch number** E0622-1-1  
**Batch molecular formula** C<sub>10</sub>H<sub>10</sub>NO<sub>4</sub>Na.1.1H<sub>2</sub>O  
**Batch molecular weight** 251.00

## Chemical Structure



Method	QC requirement	QC Result
<b>HPLC</b> <b>NMR</b>	Chiral HPLC shows >99% purity 1H NMR in D <sub>2</sub> O at 400 MHz consistent with structure	Meets specification: 100% Meets specification
<b>Mass spectrum</b>	Electrospray negative analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>TLC</b>	TLC analysis in 1:1 PAW:BuOH shows one spot under ninhydrin	Meets specification: R <sub>f</sub> =0.4
<b>Physical appearance</b>	White to off-white solid	Meets specification: White solid
<b>Solubility</b>	Soluble in water (100 mM)	Meets specification

## Biological validation

**Produced by** Richard Patterson

Signature

**Passed by** Huw Davies

Signature

Date

25-04-17

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.