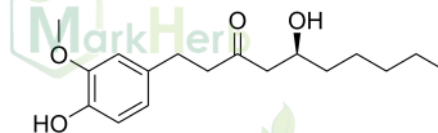


## CERTIFICATE OF ANALYSIS

*For Laboratory Use Only*

**Product name** [6]-gingerol  
**Other names** (5S)-5-hydroxy-1-(4-hydroxy-3-methoxyphenyl)decan-3-one; (S)-5-Hydroxy-1-(4-Hydroxy-3-Methoxyphenyl)Decan-3-One; [6]-Gingerol; (S)-(+)-[6]Gingerol; (6)-Gingerol; (S)-(6)-Gingerol  
**CAS** 23513-14-6  
**Catalog No.** PHE-10-1 | PHE-10-5  
**Formula** C<sub>17</sub>H<sub>26</sub>O<sub>4</sub>  
**Molecular mass** 294.39 g/mol  
**Date of sample** 12/02/2019  
**Date of report** 12/04/2019



**Structure**

### ANALYTICAL RESULTS

Test	Method	Specification	Result
Appearance	NA	Yellow, oil	Yellow, oil
Purity	NMR	> 91%	91.48%
UV spectrum	UV Spectroscopy	NA	NA
Mass spectrum	LC-MS/MS	Conforms	Conforms
NMR	<sup>1</sup> H-NMR, <sup>13</sup> C-NMR	NA	NA
Water content	NA	NA	NA
Adjusted purity	NA	NA	NA

NA, not available

### STORAGE CONDITIONS

**Storage** at -20°C, keep away from direct light

**Transport** at 6 to 8°C with ice pack

Digitally signed by  
 Dr. Agus Chahyadi  
 Date: 12.04.2019  
 Bandung - Indonesia