

**Department: Quality Control**

**Document No: LCPL/QSD/QAD/11**

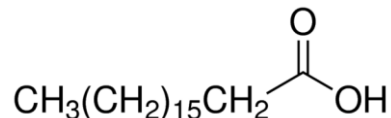
**SOP No.: SOP/QC/11-S095**

**SPECIFICATION : STEARIC ACID**

<b>Issue date</b>	<b>23/04/2018</b>	<b>Review date</b>	<b>22/04/2023</b>	<b>Location</b>	<b>All Units</b>
<b>Version No.:</b>	<b>00</b>	<b>Supersedes</b>	<b>--</b>	<b>Page No</b>	<b>1 of 1</b>

**PRODUCT DETAILS**

1	Molecular Formula	CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> COOH
2	Product code	S095
3	Molecular weight	284.48
4	CAS No	57-11-4
5	Risk Statement No	11-36/37/38
6	Safety Statement No	16-26-37/39
7	UN No.	--



**PACKING DETAILS**

	Product code	Pack size
1	S09510	500 g

**PRODUCT SPECIFICATION**

<b>SL. No.</b>	<b>TEST PARAMETERS</b>	<b>LIMITS</b>
1	Description	White powder / Flakes
2	Identification (IR Spectrum)	To conforms with Standard
3	Total assay (Stearic & Palmitic acid)	Not less than 90.0%
4	Acid Number	Between 195 and 200
5	Saponification value	Between 196 and 201
6	Congealing temperature	Not less than 54.0°C
7	Iodine value	Not less than 4.0
8	Sulphated ash	Not more than 0.1%

**SAFETY SYMBOLS**



Harmful / Irritant