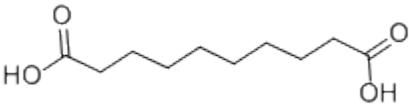
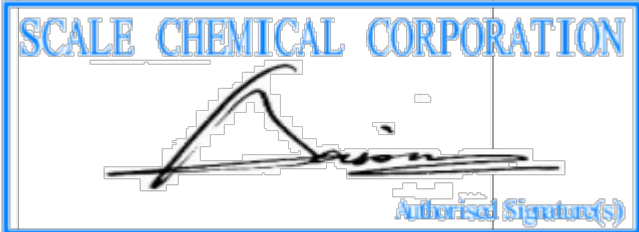


## CERTIFICATE OF ANALYSIS

|                                                                                     |                      |                                                                                      |                                                                                    |                    |
|-------------------------------------------------------------------------------------|----------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------|
| <b>Product Name</b>                                                                 |                      | <b>CAS NO</b>                                                                        | <b>Molecular Structure</b>                                                         |                    |
| Sebacic acid                                                                        |                      | 111-20-6                                                                             |  |                    |
| <b>Batch No.</b>                                                                    | <b>MFG. DATE</b>     | <b>Retest DATE</b>                                                                   |                                                                                    |                    |
| SC1708018                                                                           | 2017.08.16           | 2018.08.15                                                                           |                                                                                    |                    |
| <b>Molecular Formula</b>                                                            |                      | <b>Molecular Weight</b>                                                              |                                                                                    |                    |
| C10H18O4                                                                            |                      | 202.25                                                                               |                                                                                    |                    |
| <b>Items</b>                                                                        | <b>Specification</b> |                                                                                      | <b>Results</b>                                                                     | <b>Test Method</b> |
| Appearance                                                                          | White solid          |                                                                                      | pass                                                                               |                    |
| Assay                                                                               | 99.5%min.            |                                                                                      | 99.7%                                                                              |                    |
| Melting point (deg c)                                                               | 131 – 134.5℃         |                                                                                      | 133.8-134.7℃                                                                       |                    |
| Ash content (pct)                                                                   | 0.03% max.           |                                                                                      | 0.013%                                                                             |                    |
| Moisture (pct)                                                                      | 0.30% max            |                                                                                      | 0.09%                                                                              |                    |
| Colour (apha)                                                                       | 15 max.              |                                                                                      | 10                                                                                 |                    |
| <b>Package: 200kg/drum,<br/>4drums/pallet, 20pallets/20'FCL</b>                     |                      |  |                                                                                    |                    |
|  |                      |  |                                                                                    |                    |
| <b>Conclusion:</b>                                                                  |                      | Meet the requirement of house standard.                                              |                                                                                    |                    |