

# Certificate of Analysis

Laboratory Report ID : 1210/2023	Date Of Report : 16/10/2023
Job No. : G4840	Date Of Sample Received : 16/10/2023
Customer : CHAUN TENG	Batch No : 1210/G4840
Date Tested : 16/10/2023	Product Name : LITHIUM COMPLEX EP-2.5
Sampling Point : Filling Line	: GREASE
Sample Condition : good	
Sampling Method : As per Manual Sampling	

S.No	Physico-chemical Parameters	Test Method	Unit	Test Value
1	Appearance	Visual	NA	Buttery, Smooth, Tacky & Fibrous
2	Color			BLUE
3	Base oil Viscosity@40°C	ASTM D445	cSt	150
4	Base oil Viscosity@100°C	ASTM D445	cSt	13.2
5	Dropping point	ASTM D2265	°C	288
6	Unworked penetration @25°C	ASTM D217	0.1mm	Δ+/-10
7	Worked Penetration@25°C	ASTM D217	0.1mm	260
8	Oil Separation test for 24 hrs@0.25 psi	ASTM D1742	By weight	<5
9	Evaporation loss @100°C	ASTM D972	%	<4
10	Oxidation Stability@99°C for 100 hours	ASTM D942	psi	<7
11	Water Washout test	ASTM D1264	%	<5
12	Water Spray off	ASTM D4049	%loss in g	NA
13	Four Ball weld load point	ASTM D2596	Kg	315
14	Four Ball Wear Scar Diameter	ASTM D2266	mm	<0.5
15	Free Alkalinity as CaOH max.		%	<0.2
16	Free organic acidity			None
Wheel Bearing Leakage test for 6 hrs@104°C				
17	Sump	ASTM D1263		None
	% Leakage	ASTM D1263	g	<2
18	Water content		%	0
19	Copper Strip Corrosion @100°C for 24	ASTM D4048	NA	1b
20	Corrosion Protection	ASTM D1743	NA	Pass

Remarks:

**Tested by:**   
 Technical Assistant/ Chemist

**Approved by:**  
 Technical Manager

Note: The information contained herein is based on the obtained test result of a specific product by German Mirror Laboratory and shall not be reproduced except in full & above values are typical.

