

Certificate of Analysis		
Product: Caffeine Anhydrous	Batch Number: 1010404-C13003	
Analysis Standard: BP2017/USP33	Quantity: 100,000kg	
Manu Date: Mar 2017	Retest Date: Feb 2021	
Country of Manu: Indonesia		

Item	Analysis Standard	Result
Characteristics	A white crystalline powder or silky white crystals	Pass
Identification	Positive Reaction	Pass
Melting Point	234.0 C- 239.0 C	236.0 C - 236.9 C
Loss on Drying	< 0.5%	0.08%
Residue on Drying	<0.1%	0.05%
Assay	98.5-101.0%	100.20%
Appearance of Solution	Pass	Pass
Heavy Metals	<0.001%	<0.001%
Sulphate	< 500PPM	< 500PPM
Related Substances	Pass	Pass
Acidity	Pass	Pass
Chromatographic Purity	Pass	Pass
Readily Carbonizable Substances	Pass	Pass
Other Alkaloids	Pass	Pass
Lead	<3PPM	<3PPM
Mesh	95% of 40 Mesh	Pass
Total Plate Count	500 CFU/g MAX	Pass
Yeast & Mold	50 CFU/g MAX	Pass
E. Coli	Negative	Pass
Conclusion: The following product complies with BP2017/USP33 standard.		