



YINXIANG CHEMICAL INDUSTRY CO.,LTD
NO.2 GUANGCAI DEVELOPMENT AREA ANQING,CHINA

CERTIFICATE OF ANALYSIS

PRODUCT NAME: BENZOPHENONE-3
QUANTITY: 1200KGS
BATCH NO.: BP3-20180525
MANUFACTURING DATE: MAY 25, 2018
EXPIRY DATE: MAY 24, 2021
REFERENCE STANDARD: USP39
ANALYSIS DATE: MAY 26, 2018

Item	Specification	Test Results
1.Appearance	Pale greenish yellow crystalline powder	Conform
2.Identification	IR:Identical to IR Spectrum of standard	Conform
	HPLC:The retention time of the major peak of the sample solution corresponds to that of standard solution,as obtained in the assay	Conform
3. Assay(HPLC)	97.0~103.0%	99.9%
4.Congearing Temperature	≥62.0 °C	63.3 °C
5..Loss on Drying	≤0.2%	0.1%
6.Impurities	Total Impurities: ≤1.0%	0.09%
	Benzophenone-1 ≤0.2%	0.002%
	Single largest unspecified impurity ≤0.10%	0.05%
7.Residual Solvents	Ethanol ≤ 5000ppm	Conform
8.Odor	Similar in character and intensity to standard,very slight odor	Conform
9.Specific Extinction (1%,1cm)	E288 ≥ 630	643
	E325 ≥ 410	425
10.Melting Point	62.0~65.0 °C	63.3 °C
11.Heavy Metals (Pb)	≤ 5 ppm	Conform
12.Gardner Color	≤ 4.0	3.0

CONCLUSION: THE ABOVE RESULTS MEETS USP39 STANDARD