



天津誉瑞特品科技有限公司  
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**CERTIFICATE OF ANALYSIS**

PRODUCT NAME: N-Ethyl-Pyrrolidone GRADE: TECH GRADE

BATCH NO.: NMP171121134 QUANTITY: 16,000KGS

MANF. DATE: NOV.21,2017 EXP.DATE: NOV.20,2019

DETECH ITEM	STANDARD	RESULT
Appearance@25°C	Colorless to slight yellow liquid	Conform
Purity %	≥99.50	99.82
Water/Moisture %	≤0.05	0.010
Density(D <sub>4</sub> <sup>20</sup> g/ml)	0.990~0.999	0.997
Refractivity(N <sub>D</sub> 20)	1.465~1.467	1.4665
Total Amines(as Monoethylamine)	≤0.01	0.0011
Color(APHA)	≤15	5

**Conclusion:**

The above Specifications comply with the requirements of Tech Grade.

ANALYSER: 001

RE-CHECKER:

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