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TYPICAL ANALYSIS / SPECIFICATION

PRODUCT : IBUPROFEN 45 GRADE
SHELF LIFE : FIVE YEARS SUBJECT TO CORRECT STORAGE

Test	Result
Appearance	White crystalline powder
Identification	
A. Melting point	75.6 – 76.34 ⁰ C
C. IR spectral match	Conforms
Appearance of solution	Clear and colourless
Related substances	
2-(3-(methylpropyl)phenyl)propanoic acid	0.01%
2-(4-methylphenyl)propanoic acid	0.03%
2-(4-ethylphenyl)propanoic acid	0.00%
2-(4-propylphenyl)propanoic acid	0.01%
2-(4-butylphenyl)propanoic acid	0.01%
Any unknown impurity	0.00%
Total impurities	0.07%
3-(4-(2-methylpropyl)phenyl) proionic acid (impurity F)	0.00%
Organic volatile impurities	30 PPM
Heavy metals	<10 PPM
Loss on drying	0.12%
Sulfated ash	0.02%
Bulk density	0.32g/ml
Taped density	0.51g/ml
Median particle size	36.83 um
Assay (dry basis)	100.0%

Conclusion: Material conforms to BP2000