



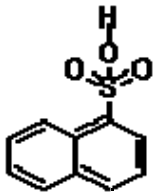
HANGZHOU DINGYAN CHEM CO., LTD

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CERTIFICATE OF ANALYSIS

NO: DYC021310243

Product name	1-Naphthalenesulfonic acid
CAS Number	85-47-2
Molecule Structure	
Molecule Formula	C ₂₅ H ₃₂ N ₄ O ₆
Batch number	20130116
Manufacture Date	2013-01-16
Testing date	2013-01-16

Items	Standard	Result
Appearance	Off-white to grey crystal	Off-white crystal
Purity ,HPLC	98% min	98.12%
Content(1-Naphthalenesulfonic acid)	85% min	86.2%
Insoluble matter	0.05% max	0.04%
Other Sulfonate	1% max	0.6%
Remain sulfonic acid	2% max	1.5%
Water	15% max	10%

Hangzhou Dingyan Chem Co., Ltd.
QUALITY CONTROL: Xuefen Chen
CHECK: 姚仙娟

INSPECTOR: 刘清风