

ACRYLONITRILE ANALYSIS REPORT

CHINA PETROCHEMICAL DEVELOPMENT Corp(中国石油化学工業開発)

TEST ITEM	SPEC	1	2	3	4	5	6	7
ACETONE, PPM/WT.	<=200	9	7	9	6	5	7	6
ACETONITRILE, PPM/WT	<=300	30	45	23	21	13	20	18
PROPIONITRILE, PPM/WT	<=200	17	13	13	11	9	10	10
ACROLEIN, PPM/WT	<=20	1.5	1.4	0.8	0.9	1.1	1.3	1.5
ACIDITY AS ACETIC ACID, PPM/WT	<=35	1	1	1	1	4	2	3
ALDEHYDES AS ACETALDEHYDE, PPM/WT	<=50	4	4.5	4	4	4.5	4	4
APPEARANCE	C & F	C & F	C & F	C & F	C & F	C & F	C & F	C & F
COLOR ,APHA	<=10	<5	<5	<5	<5	<5	<5	<5
COPPER, PPM/WT	<=0.2	0.01	0.01	0.01	0.01	0.01	0.01	0.01
HCN, PPM/MT	<=10	1.4	1.1	0.5	1.2	1.7	1	0.8
INHIBITOR, PPM/WT. M.E.H.Q	35-45	38	38	39	39	39	39	39
IRON, PPM/WT	<=0.2	0.04	0.03	0.03	0.03	0.03	0.04	0.04
PEROXIDES, PPM/WT, (NO NITRITES)	<=0.5	0.19	0.18	0.18	0.18	0.19	0.19	0.19
PH (5% AQUEOUS SOLUTION)	6-9.0	7	7	7	7	6.9	6.9	6.9
REFRACTIVE INDEX (AT25)	1.3883-1.3892	1.3888	1.3887	1.3887	1.3887	1.3888	1.3889	1.3887
WATER, WT%	<=0.5	0.46	0.46	0.46	0.47	0.46	0.47	0.47
SPECIFIC GRAVITI (25)	0.7990-0.8020	0.8016	0.8016	0.8016	0.8016	0.8016	0.8016	0.8016
DISTILLATION, (760 mmHG)	74.5-79	75.5-77.1	75.5-77.2	75.5-77.2	75.5-77.2	75.5-77.1	75.5-77.4	75.4-77.1
NON-VOL. MATTER, PPM/WT	<=50	32	36	35	33	33	32	35
OXYGEN BOMB STABILITY (HRS)	>=4	>4	>4	>4	>4	>4	>4	>4
PURITY (WT%)	>=99.50	99.53	99.53	99.53	99.52	99.53	99.52	99.52