

COKE FRACTIONS:

BF Coke (25-80 mm), Nut Coke (10 - 25 mm), Coke Breeze, Coke Dust.

MEDIUM HARD PITCH

	Softening Point (R & B) °C	Coking Value (Conradson) %	Toluene insoluble %	Quinolene insoluble %	Ash Content %
Grade - I	95 - 115	48 min	25 min	12 max	0.3 max
Grade - II	106-115	51 min	28 min	12 max	0.5 max



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BY PRODUCTS

AMMONIUM SULPHATE

Nitrogen by weight	% min	:	20.6
Moisture by weight	% max	:	1.00
Free acidity	% max	:	0.04

CRUDE COAL TAR

Specific gravity at 20°C	:	1.16 - 1.20
Moisture % max	:	6.00
* Viscosity (E deg) at 93°C	:	1.70 - 5.00
* Residue on distillation (above 360°C) % min	:	53
* Toluene insoluble % max	:	14
* Quinolene insoluble % max	:	8



COAL TAR FUEL / PITCH CREOSOTE MIXTURE (PCM)

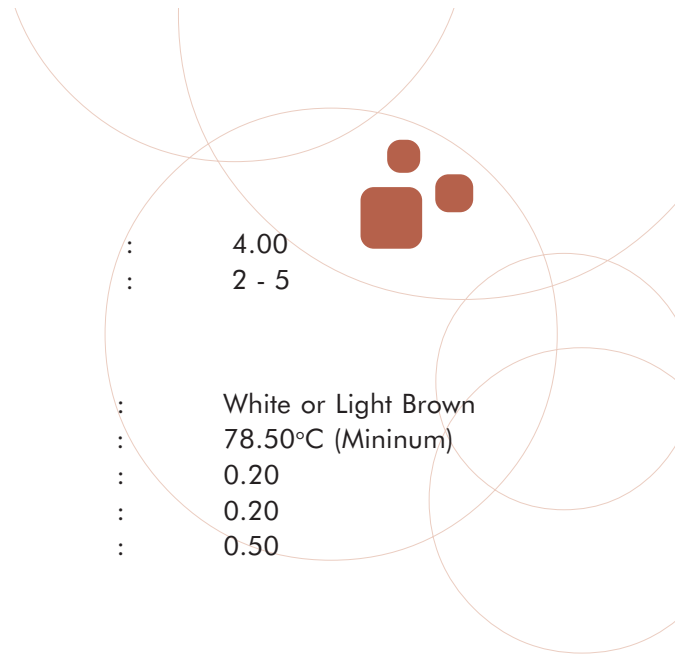
* Moisture % max	:	4.00
Viscosity (E deg) at 93°C	:	2 - 5

HOT PRESSED NAPHTHALENE

Colour	:	White or Light Brown
Crystallisation point	:	78.50°C (Minimum)
* Ash (by weight) max	:	0.20
* Toluene insoluble % max	:	0.20
* Moisture % max	:	0.50

DRAINED NAPHTHALENE OIL

Moisture %	:	5 max
Naphthalene %	:	30-35



PHENOL FRACTIONS

Specific gravity at 20°C	:	0.99 - 1.02
Phenol %	:	20 - 35
Naphthalene % max	:	25
Moisture % max	:	5.0

LIGHT SOLVENT OIL (LSO)

Specific gravity at 15 °C	:	0.850 min
* Distillation range	upto 125°C ml	: 5 max
	upto 170°C ml	: 90 min
* Residue on evaporation	mg/100ml	: 10 max
* H2 S & mercaptans		: Negative

(* These parameters will be included in the Test Certificate on agreement with the customers)

* For Drained Naphthalene Oil, Phenol Fractions & Light Solvent Oil the modifications are to be incorporated after approval of the committee recommendation by competent authority.

BENZENE

	Gr. A	Gr. B
*a. Relative density 15.6/15.6°C	0.879-0.886	0.879-0.886
*b. Total Sulphur, ppm max.	5	As agreed to between the purchaser and the supplier
*c. Crystallization point °C min	5.3	-
*d. Non-aromatics, ppm max	500	-
e. Purity (GLC method), min(%)	99.93	99.0% min.
*f. Thiophene Content	10.0 ppm max.	-

TOLUENE

	Nitration	Industrial
*a. Specific Gravity at 15/15 °C	0.870 - 0.874	0.86 - 0.875
*b. Distillation range (1-96% °C incl. 110.6°C)	0.6	-
Upto 105°C ml.	-	5.0
Upto 120°C ml.	-	90.0
*c. Residue on evaporation	5	10
d. H ₂ S & mercaptans	-ve	-ve
e. Purity (by GLC method), kin (%)	99.2	92.0

Note : *-- These parameters will be included in test certificate on agreement with the customer.



COAL TAR WASH OIL

Specific gravity at 38°C	:	1.04 - 1.08
Moisture %	:	4.00 max
* Distillation upto 230°C %	:	10.00 max
230. - 300°C %	:	85.00 max
above 300°C %	:	5.00 max
Naphthalene %	:	15.00 max

ANTHRACENE OIL

Specific gravity at 20°C	:	1.12 max
Moisture %	:	3.00 max
* Distillation upto 300°C%	:	20.00 max

SOL-110 (NON AROMATICS)

Specific gravity at 15°C	:	0.84 min
* Distillation range 1-95%	:	55-110°C



(*These parameters will be included in the Test Certificate on agreement with the customers)



HEAVY CRUDE BENZOL

Moisture	:	5% max
Naphthalene	:	20-25

B.F. SLAG

Specification	:	CaO : 30 - 38%,	Size : 30 - 40%,	Al ₂ O ₃	:	15 - 22 %
		MgO : 8 - 11 %,	FeO : 5 % Max,	Mn	:	2% Max

GASES

Liquid Oxygen, Liquid Nitrogen, Argon Gas and Liquid Argon

BY PRODUCTS



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MISCELLANEOUS PRODUCTS

Still Bottom, TPP Mill Rejects, Calcined Lime Fines, Calcium Carbide Sludge