

Quality Parameters and Norms of Refined Benzol Products :

Parameters	NG Benzene	NG Toluene	Xylene	Solvent Oil	Still Bottom Oil
Colour(0.8 ml/N/10K ₂ Cr ₂ O ₇ +12.0 ml N/10 COSO ₄ in 1000 ml DW) solution	Not darker than specified	Not darker than specified	Not darker than specified	Not darker than specified	-
Neutrality	Not Acidic	Not Acidic	Not Acidic	Not Acidic	-
Sp.Gravity	0.879 to 0.886 at 15°C	0.870 to 0.874 at 15°C	0.860 to 0.875 at 15°C	0.855(min) at 15°C	1.000 to 1.1000 at ambient temp.
Distillation Range	Temp.diff. between 1.0 & 96.0% distillate v/v 0.60°C max. including 80.1°C	Temp.diff. between 1.0 & 96.0% distillate v/v 0.60°C max. including 110.6°C	Temp.diff. between 1.0 & 96.0% distillate v/v 5.0°C max. between 137.0 & 145.5°C	% Distillate at the running point of 190°C : 90.0 min. v/v	% Distillate between 0& 160.0°C: 10.0 max. v/v
Residue on evaporation mg/100 ml (max.)	5.0	5.0	10.0	-	-
% Total Sulphur (w/w) (max.)	0.010	0.010	-	-	-
Hydrogen Sulphide and Mercaptans	-	To pass the test	To pass the test	To pass the test	-
Acid Wash Test (max.)	0.3	0.3	-	-	-
Solidification Point (min)(°C)	5.3	-	-	-	-
Copper Corrosion	To pass the test	-	-	-	-
Moisture (%)	-	-	-	-	10.0(max.)

Quality Parameters and Norms of Oils:

Material	Sp.Gravity/ Tempera- true	Moisture % (W/W)	Distillation range and % distillate(w/w)	% Naphthalene (w/w)	% Libe rated Phenol (v/v)	%Free Alkali (w/v)
Anthracene Oil	1.100(min) at 27°C	2.0(max)	0 to 300°C : 5.0(min) 300-360°C : 40.0(min)	-	-	-
Heavy Creosote oil	1.030 to 1.100 at 38°C	2.0(max)	0 to 210°C : 5.0(max) 0 to 235°C : 30.0(max) 0 to 315°C : 75.0(max)	-	-	-
Light Creosote oil	1.035 to 1.080 at 30°C	2.0(max)	220-350°C : 85.0(min)	-	-	-
Coal Tar Wash oil	1.040 to 1.080 at 30°C	2.0(max)	0-230°C : 20.0(max) 230-300°C : 70.0(min)	-	-	-
Drained Naph. Oil	1.000 at 60.0°C(mi n)	4.0(max)	0 to 270°C : 80.0(min)	20.0(min)	-	-
De-phenolised oil	1.000 at 60.0°C(mi n)	4.0(max)	0 to 270°C : 80.0(min)	20.0(min)	-	-
Heavy Benzol	0.950 at 38°C(min)	4.0(max)	0 to 270°C : 80.0(min)	20.0(min)	-	-
Sodium Phenolate	Sp.Gravit y at ambient temp. as analyzed	-	-	-	16.0 (min)	2.0 (max)
Light Oil	0.880- 0.980 at 30°C	4.0(max)		-	-	-

AMMONIUM SULPHATE

The Nitrogen content in Ammonium Sulphate shall be 20.6 %(w/w) (min.)

Quality Parameters and Norms of Hot Pressed Naphthalene

Crystallization Temp.	: 78.5°C (Min.)
Moisture	: 0.50 % (Max.)
Ash Content	: 0.20 % (Max.)
Colour	: Off White to Light Brown.

Quality Parameters & Norms of Pitch

SL.No.	Parameters	Norm
1.	Softening Point(°C)	93.0 – 107.0
2.	%Moisture (only in case of granulated pitch)	2.0(max.)
3.	%Toluene Insoluble	20.0 – 30.0
4.	% Quinolene Insoluble	5.5 – 14.0
5.	% Beta Resin	14.0 (min)
6.	% Ash	0.5 (max.)
7.	% Coking Value	49.0 – 54.0

LIST OF MATERIALS DESPATCHED ON NO COMPLAINT BASIS

- | | |
|----------------------------------|------------------------------|
| (a) Tar Sludge | (b) Polymer |
| (c) Tarry Sludge | (d) Spillage Naphthalene |
| (e) Crude Coal Tar | (f) Steamed-out Naphthalene |
| (g) Flushed out naphthalene | (h) Light crude benzol |
| (i) Pitch Creosote mixture (PCM) | (j) Spent solvent oil type I |
| (k) Spent solvent oil type II | (l) Skimmed oil |

The basis of dispatch of the above materials is “As is and where is”. However for Naphthalene bearing materials the following quality parameters are tested

(i)Moisture (ii)% Distillate : 0-270°C (ii)% Naphthalene

In case of crude coal tar (CCT) BSP has a practice of dispatching CCT having 0-5% moisture. In case of the same being more than 5%, Party’s consent is taken and for beyond 10.0% of moisture in CCT, tanker is unloaded.

In case of Tarry Sludge, %Naphthalene shall not be more than 12%.

In case of Flushed out Naphthalene, % Naphthalene shall be >12% but not more than 40%.

In case of Light crude benzol

- | | |
|-------------------------------|----------------------------------|
| (A) Specific Gravity at 15 °C | : 0.870 to 0.890 |
| (B)Moisture | : 1.0% (max.) |
| (C)Distillation Range | : Drop Point 72 °C (min.) |
| | Recovery up to 165 °C 95 % (min) |

In case of PCM, Moisture shall not be more than 2 %.