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KLJ/BENZ/JAN/2016



KLJ GROUP
SINCE 1967

TRUST BUILT ON PERFORMANCE

...sustaining life with natural footprints





World-Class Plant with an Installed Capacity of 50,000 tpa

Strategically located very close to a Chlor Alkali Plant ensuring consistent supply of Chlorine through pipeline

One of the largest importers of Toluene, having storage facility at all major Indian Ports

Continuous process plant with State-of-the-Art technology in Bharuch



KANABENZ - BOH [BENZYL ALCOHOL]

Trade Name	Unit	Test Method	KANABENZ BOH	KANABENZ BOH
			Benzyl Alcohol (TECH)	Benzyl Alcohol (FR)
Appearance	-	Visual	Clear Liquid	Clear Liquid
Colour	APHA	Tintometer	10 (Max.)	10 (Max.)
Odor	-	Smell	-	Faint Floral
Purity by GLC	% by area	KLJ TM	99.60 (Min.)	99.70 (Min.)
Specific Gravity at 25°C	-	ASTM D 1045	1.042-1.046	1.042-1.046
Refractive Index at 20°C	-	ASTM D 1045	1.538-1.541	1.538-1.541
Benzaldehyde Content	%	KLJ TM	0.10 (Max.)	0.05 (Max.)
Di Benzyl Ether Content	%	KLJ TM	0.10 (Max.)	0.10 (Max.)
Moisture Content	%	Karl Fischer	0.10 (Max.)	0.10 (Max.)
Acid Value	mgKOH/gm	ASTM D 1045	0.10 (Max.)	0.10 (Max.)

REACH registered

APPLICATIONS

- Epoxy Hardener
- Paints
- Construction Chemicals
- Perfumery & Flavoring
- Cosmetics
- Pharmaceuticals
- Inks
- Preservatives

KANABENZ - BCHO [BENZALDEHYDE]

Trade Name	Unit	Test Method	KANABENZ BCHO	KANABENZ BCHO
			Benzaldehyde (TECH)	Benzaldehyde (Pure)
Appearance	-	Visual	Clear Liquid	Clear Liquid
Colour	APHA	Tintometer	50 (Max.)	30 (Max.)
Odor	-	Smell	Bitter Almond	Bitter Almond
Purity by GLC	% by area	KLJ TM	99.50 (Min.)	99.60 (Min.)
Specific Gravity at 25°C	-	ASTM D 1045	1.040-1.045	1.040-1.045
Total Chloride Content - FFC Grade	ppm	KLJ TM	-	50 (Max.)
Moisture Content	%	Karl Fischer	0.20 (Max.)	0.20 (Max.)
Low Boiling Imp. by GLC	% by area	KLJ TM	0.10 (Max.)	0.05 (Max.)
High Boiling Imp. by GLC	% by area	KLJ TM	0.40 (Max.)	0.35 (Max.)
Acidity as Benzoic Acid	%	KLJ TM	0.50 (Max.)	0.50 (Max.)

REACH registered

APPLICATIONS

- Meta Phenoxy Benzaldehyde
- Cinnamaldehyde
- Cinnamic Alcohol
- Alpha Amyl Cinnamaldehyde
- Rose Crystals
- Malachite Green
- Congo Red
- Congo Scarlet

KANABENZ - BCL [BENZYL CHLORIDE]

Trade Name	Unit	Test Method	KANABENZ BCL
			Benzyl Chloride
Appearance	-	Visual	Clear Colorless Liquid
Colour	APHA	Tintometer	20 (Max.)
Odor	-	Smell	Sharp Pungent
Purity by GLC	% by area	KLJ TM	99.50 (Min.)
Specific Gravity at 25°C	-	ASTM D 1045	1.093-1.098
Low Boiling Imp. by GLC	% by area	KLJ TM	0.20 (Max.)
High Boiling Imp. by GLC	% by area	KLJ TM	0.30 (Max.)

APPLICATIONS

- Dyes
- Benzyl Compounds
- Drug Intermediates
- Synthetic Tannins
- Perfumery
- Quaternary Ammonium Compounds
- Gasoline Gum
- Inhibitors
- Pharmaceuticals
- Penicillin Precursors
- Photographics Developer

KANABENZ - BBZ [BENZYL BENZOATE]

Trade Name	Unit	Test Method	KANABENZ BBZ	KANABENZ BBZ
			Benzyl Benzoate (Tech.)	Benzyl Benzoate (FR)
Appearance	-	Visual	Clear Liquid	Clear Liquid
Colour	APHA	Tintometer	30 (Max.)	20 (Max.)
Odor	-	Smell	Faint Sweet Balsamic Oily Herbal	Faint Sweet Balsamic Oily Herbal
Purity by GLC	% by area	KLJ TM	99.50 (Min.)	99.50 (Min.)
Specific Gravity at 25°C	-	ASTM D 1045	1.115-1.120	1.115-1.120
Refractive Index at 20°C	-	ASTM D 1045	1.560-1.570	1.560-1.570
Benzaldehyde Content	%	KLJ TM	0.05 (Max.)	0.05 (Max.)
Benzyl Alcohol Content	%	KLJ TM	0.10 (Max.)	0.10 (Max.)
Moisture Content	%	Karl Fischer	0.10 (Max.)	0.10 (Max.)
Acid Value	mgKOH/gm	KLJ TM	1.00 (Max.)	1.00 (Max.)
Freezing Point	°C	KLJ TM	18°C (Min.)	18°C (Min.)

APPLICATIONS

- Perfumery & Flavouring
- Insect Repellent
- Cosmetics
- Preservatives
- Pharmaceuticals

KANABENZ - BACE [BENZYL ACETATE]

Trade Name	Unit	Test Method	KANABENZ BACE
			Benzyl Acetate
Appearance	-	Visual	Clear Colorless Liquid
Colour	APHA	Tintometer	20 (Max.)
Odor	-	Smell	Sweet, Floral, Fruity, Jasmine Fresh
Purity by GLC	% by area	KLJ TM	99.50 (Min.)
Specific Gravity at 25°C	-	ASTM D 1045	1.050-1.056
Refractive Index at 20°C	-	ASTM D 1045	1.499-1.505
Benzaldehyde Content	%	KLJ TM	0.10 (Max.)
Benzyl Alcohol Content	%	KLJ TM	0.10 (Max.)
Moisture Content	%	Karl Fischer	0.10 (Max.)
Acid Value	mgKOH/gm	ASTM D 1045-86	1.00 (Max.)

APPLICATIONS

- Incense Sticks
- Perfumery
- Cosmetics
- Detergents
- Solvent to Resins & Plastic
- Solvent to Paints & Printing Inks

KANABENZ - SB [SODIUM BENZOATE (Powder)]

Trade Name	Unit	Test Method	KANABENZ SB
			Sodium Benzoate (Powder)
Appearance	-	Visual	White Crystalline Odorless Powder
Purity	% by area	KLJ TM	99.00 % (Min.)
Chloride Content (as NaCl)	%	KLJ TM	4.00 % (Max.)
Moisture Content	%	Karl Fischer	2.00 % (Max.)
Alkalinity as Na2CO3	%	KLJ TM	4.00 % (Max.)

APPLICATIONS

- Preservatives
- Pharmaceuticals
- Cosmetics & Personal Care

KANABENZ - DBE [Di BENZYL ETHER]

Trade Name	Unit	Test Method	KANABENZ DBE
			Di Benzyl Ether
Appearance	-	Visual	Clear Brown Liquid
Purity by GLC	% by area	KLJ TM	60.00 % (Min.)
Specific Gravity at 25°C	-	ASTM D 1045	1.040-1.080

APPLICATIONS

- Plasticizers
- Benzyl Compounds
- Perfumery Solvent

CERTIFICATION

