



KLJ GROUP
SINCE 1967



**SETTING
NEW
MILESTONES IN
BENZYL
PRODUCTS**



... sustaining life with natural footprints



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#23-001/BENZ/MAR

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SOLUTION IN BENZ PRODUCTS



World-Class Plant with an Installed Capacity of 30,000 tpa expanding to 50,000 tpa by 2023

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
Properties			Benzyl Alcohol (TECH)	Benzyl Alcohol (FR)
Appearance	-	Visual	Clear Liquid	Clear Liquid
Colour (Max.)	APHA	Tintometer	10 (Max.)	10 (Max.)
Odor	-	Smell	-	Faint Floral
Purity by GLC (Min.)	% by area	KLJ TM	99.60 (Min.)	99.70 (Min.)
Specific Gravity at 25° C	-	ASTM D 1045-86	1.042-1.046	1.042-1.046
Refractive Index at 20° C	-	ASTM D 1045-86	1.538-1.541	1.538-1.541
Benzaldehyde Content (Max.)	%	KLJ TM	0.10 (Max.)	0.05 (Max.)
Benzyl Alcohol Content (Max.)	%	KLJ TM	-	-
Chloride Content - FFC Grade (Max.)	ppm	KLJ TM	-	-
Chloride Content (as NaCl)	%	KLJ TM	-	-
Di Benzyl Ether Content (Max.)	%	KLJ TM	0.10 (Max.)	0.10 (Max.)
Moisture Content (Max.)	%	Karl Fischer	0.10 (Max.)	0.10 (Max.)
Acid Value (Max.)	mgKOHg	ASTM D 1045-86	0.10 (Max.)	0.10 (Max.)
Low Boiling Imp. by GLC (Max.)	% by area	KLJ TM	-	-
High Boiling Imp. by GLC (Max.)	% by area	KLJ TM	-	-
Acidity as Benzoic Acid (Max.)	%	KLJ TM	-	-
Alkalinity as Na ₂ CO ₃	%	KLJ TM	-	-
Freezing Point (Min.)	° C	KLJ TM	-	-

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
Properties			Benzaldehyde (TECH)	Benzaldehyde (Pure)
Appearance	-	Visual	Clear Liquid	Clear Liquid
Colour (Max.)	APHA	Tintometer	50 (Max.)	30 (Max.)
Odor	-	Smell	Bitter Almond	Bitter Almond
Purity by GLC (Min.)	% by area	KLJ TM	99.50 (Min.)	99.50 (Min.)
Specific Gravity at 25° C	-	ASTM D 1045-86	1.040-1.045	1.040-1.045
Refractive Index at 20° C	-	ASTM D 1045-86	-	-
Benzaldehyde Content (Max.)	%	KLJ TM	-	-
Benzyl Alcohol Content (Max.)	%	KLJ TM	-	-
Chloride Content - FFC Grade (Max.)	ppm	KLJ TM	-	50 (Max.)
Chloride Content (as NaCl)	%	KLJ TM	-	-
Di Benzyl Ether Content (Max.)	%	KLJ TM	-	-
Moisture Content (Max.)	%	Karl Fischer	-	-
Acid Value (Max.)	mgKOHg	ASTM D 1045-86	-	-
Low Boiling Imp. by GLC (Max.)	% by area	KLJ TM	0.10 (Max.)	0.10 (Max.)
High Boiling Imp. by GLC (Max.)	% by area	KLJ TM	0.40 (Max.)	0.40 (Max.)
Acidity as Benzoic Acid (Max.)	%	KLJ TM	0.50 (Max.)	0.50 (Max.)
Alkalinity as Na ₂ CO ₃	%	KLJ TM	-	-
Freezing Point (Min.)	° C	KLJ TM	-	-

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
Properties			Benzyl Chloride
Appearance	-	Visual	Colorless Clear Liquid
Colour (Max.)	APHA	Tintometer	20 (Max.)
Odor	-	Smell	Sharp Pungent
Purity by GLC (Min.)	% by area	KLJ TM	99.50 (Min.)
Specific Gravity at 25° C	-	ASTM D 1045-86	1.094-1.095
Refractive Index at 20° C	-	ASTM D 1045-86	-
Benzaldehyde Content (Max.)	%	KLJ TM	-
Benzyl Alcohol Content (Max.)	%	KLJ TM	-
Chloride Content - FFC Grade (Max.)	ppm	KLJ TM	-
Chloride Content (as NaCl)	%	KLJ TM	-
Di Benzyl Ether Content (Max.)	%	KLJ TM	-
Moisture Content (Max.)	%	Karl Fischer	-
Acid Value (Max.)	mgKOHg	ASTM D 1045-86	-
Low Boiling Imp. by GLC (Max.)	% by area	KLJ TM	0.20 (Max.)
High Boiling Imp. by GLC (Max.)	% by area	KLJ TM	0.30 (Max.)
Acidity as Benzoic Acid (Max.)	%	KLJ TM	-
Alkalinity as Na ₂ CO ₃	%	KLJ TM	-
Freezing Point (Min.)	° C	KLJ TM	-

APPLICATIONS

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

KANABENZ - BBZ [BENZYL BENZOATE]

Trade Name	Unit	Test Method	KANABENZ BBZ
Properties			Benzyl Benzoate
Appearance	-	Visual	Clear Liquid
Colour (Max.)	APHA	Tintometer	-
Odor	-	Smell	Faint Sweet Balsamic Oily Herbal
Purity by GLC (Min.)	% by area	KLJ TM	99.50 (Min.)
Specific Gravity at 25° C	-	ASTM D 1045-86	1.115-1.120
Refractive Index at 20° C	-	ASTM D 1045-86	1.560-1.570
Benzaldehyde Content (Max.)	%	KLJ TM	0.05 (Max.)
Benzyl Alcohol Content (Max.)	%	KLJ TM	0.10 (Max.)
Chloride Content (as NaCl)	%	KLJ TM	-
Moisture Content (Max.)	%	Karl Fischer	-
Acid Value (Max.)	mgKOHg	ASTM D 1045-86	1.00 (Max.)
Alkalinity as Na ₂ CO ₃	%	KLJ TM	-
Freezing Point (Min.)	° C	KLJ TM	18° C (Min.)

APPLICATIONS

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

KANABENZ - BACE [BENZYL ACETATE]

Trade Name	Unit	Test Method	KANABENZ BACE
Properties			Benzyl Acetate
Appearance	-	Visual	Colorless Clear Liquid
Colour (Max.)	APHA	Tintometer	20 (Max.)
Odor	-	Smell	Sweet, Floral, Fruity, Jasmine Fresh
Purity by GLC (Min.)	% by area	KLJ TM	99.50 (Min.)
Specific Gravity at 25° C	-	ASTM D 1045-86	1.050-1.056
Refractive Index at 20° C	-	ASTM D 1045-86	1.499-1.505
Benzaldehyde Content (Max.)	%	KLJ TM	0.10 (Max.)
Benzyl Alcohol Content (Max.)	%	KLJ TM	0.10 (Max.)
Chloride Content (as NaCl)	%	KLJ TM	-
Moisture Content (Max.)	%	Karl Fischer	0.10 (Max.)
Acid Value (Max.)	mgKOHg	ASTM D 1045-86	1.00 (Max.)
Alkalinity as Na ₂ CO ₃	%	KLJ TM	-
Freezing Point (Min.)	° C	KLJ TM	-

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
Properties			Sodium Benzoate (Powder)
Appearance	-	Visual	White Crystalline Odorless Powder
Colour (Max.)	APHA	Tintometer	-
Odor	-	Smell	-
Purity by GLC (Min.)	% by area	KLJ TM	75.00 % (min)
Specific Gravity at 25° C	-	ASTM D 1045-86	-
Refractive Index at 20° C	-	ASTM D 1045-86	-
Chloride Content (as NaCl)	%	KLJ TM	15.00 % (max)
Moisture Content (Max.)	%	Karl Fischer	5.00 % (max)
Acid Value (Max.)	mgKOHg	ASTM D 1045-86	-
Alkalinity as Na ₂ CO ₃	%	KLJ TM	5.00 % (max)
Freezing Point (Min.)	° C	KLJ TM	-

APPLICATIONS

- Preservatives
- Pharmaceuticals
- Cosmetics & Personal Care

KANABENZ - DBE [Di BENZYL ETHER]

Trade Name	Unit	Test Method	KANABENZ DBE
Properties			Di Benzyl Ether
Appearance	-	Visual	Clear Brown Liquid
Colour (Max.)	APHA	Tintometer	-
Odor	-	Smell	-
Purity by GLC (Min.)	% by area	KLJ TM	60.00 % (min)
Specific Gravity at 25° C	-	ASTM D 1045-86	1.040-1.080
Refractive Index at 20° C	-	ASTM D 1045-86	-
Chloride Content (as NaCl)	%	KLJ TM	-
Moisture Content (Max.)	%	Karl Fischer	-
Acid Value (Max.)	mgKOHg	ASTM D 1045-86	-
Alkalinity as Na ₂ CO ₃	%	KLJ TM	-
Freezing Point (Min.)	° C	KLJ TM	-

APPLICATIONS

- Plasticizers
- Benzyl Compounds
- Perfumery Solvent