



湖北科林博伦新材料有限公司

HUBEI KELIN BOLUN NEW MATERIALS CO., LTD

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采用甲苯氧化工艺生产无氯苯甲醇和无氯苯甲醛全球最大企业

The largest-scale producer of chlorine-free benzyl alcohol & benzaldehyde by
toluene oxidation process in the world



企业简介

湖北科林博伦新材料有限公司成立于2015年12月10日，由河北美邦工程科技股份有限公司和宜昌恒友化工股份有限公司两家国家级高新技术企业共同投资兴建，注册资本壹亿元，项目总投资5.6亿元，是以甲苯氧化法生产苯甲醇、苯甲醛、苯甲酸、苯甲酸苄酯等产品的现代化工企业，是全球化工领域甲苯氧化生产苯甲醇苯甲醛规模最大的企业。

公司位于国家级循环经济示范园区-湖北省枝江市姚家港化工园，现有员工200余人，其中各类专业技术及研发人员100余人；拥有多项自主知识产权的核心发明专利。

科林博伦本着务实创新的精神，走自主发展的道路，坚持“以人为本、科技引领、绿色制造、合作共赢”的经营宗旨，以认真负责的态度为广大国内外客户提供优质产品及全方位的产品定制服务，实现共同发展

我们坚信KLBL是您可信赖的优质合作伙伴。

Company Profile

Hubei Kelin Bolun New Materials Co., Ltd. was established on December 10, 2015. It was jointly invested and built by two state-level high-tech enterprises, Hebei Meibang Engineering & Technology Co., Ltd and Yichang Hengyou Chemical Co., Ltd. With a registered capital of 100 million and a total investment of 560 million, this modern chemical enterprise is the globally largest-scale manufacturer producing benzyl alcohol, benzaldehyde, benzoic acid and benzyl benzoate by toluene oxidation process.

The company is located in the national circular economy demonstration park-Yaojiagang Chemical Industry Park of Zhijiang City, Hubei Province, with more than 200 employees, among whom more than 100 people are experts in technology and R&D. It has many core invention patents of independent intellectual property rights.

Kelin Bolun, in the spirit of pragmatism and innovation, takes the road of his own development and insists on the business tenet of “people-oriented, scientific and technological leadership, green manufacturing, win-win cooperation”. We take the responsibility for domestic & overseas customers with high-quality products and customized services to achieve common development

We firmly believe that KL-BL is your reliable and qualified partner.



DCS系统 DCS system

调度中心 Control center

检测中心 Quality inspection center

企业文化 Company Culture

企业使命 Our Mission

引领绿色化工 驱动品质生活

leading green chemical industry and driving quality life

企业愿景 Our Vision

成为享誉全球无氯苯甲醇、无氯苯甲醛领域的领跑者

to become the worldwide leading producer of chlorine-free benzyl alcohol & benzaldehyde

企业精神 Our Spirit

敏于求知、实事求是、与时俱进、志高行远

be alert to knowledge; seek truth from facts; keep pace with the times; develop better with great ambitions

经营理念 Operation Principle

以人为本、科技引领、绿色制造、合作共赢

people-oriented; scientific and technological leadership; green manufacturing; win-win cooperation

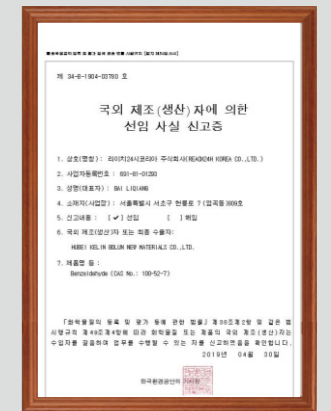
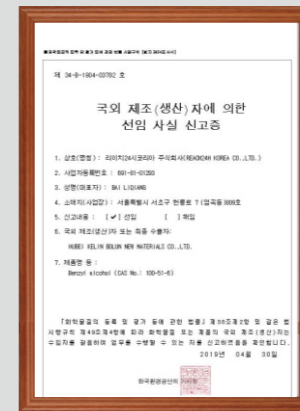
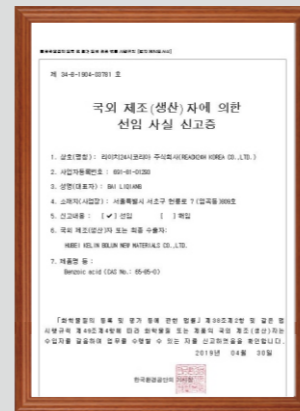
人才理念 Talent Concept

尊重知识、珍惜人才、任人唯贤、公平竞争

respect knowledge; cherish talents; appoint people on their merits; fair competition

企业认证 Certification

WE ARE EU-REACH, K-REACH, KOSHER CERTIFIED



甲苯氧化核心技术 TOLUENE OXIDATION CORE TECHNIQUE





甲苯氧化法 无氯苯甲醇

Chlorine-free benzyl alcohol
by toluene oxidation process



甲苯氧化法 无氯苯甲醇

Chlorine-free benzyl alcohol
by toluene oxidation process



苯甲醇-C₇H₈O
Benzyl alcohol-C₇H₈O

名 称
Name

苯醇 CAS号：100-51-6
Benzyl alcohol CAS NO.:100-51-6



市场用途
Uses

环氧树脂溶剂及固化剂改性；环氧涂料、地坪、电器、电力、灌封、粘胶剂、环氧饰品；医药合成及溶剂，药膏或药液的防腐剂；圆珠笔油溶剂，油墨溶剂；配置香皂、日用化妆的香精，是茉莉、月下香、伊兰等香精调配时不可缺乏的香料；纺织印染助剂中的增塑剂。

Epoxy resin solvent and curing agent modification; epoxy coatings, flooring system, electrical appliances, electric power, potting, adhesive, epoxy jewelry; pharmaceutical synthesis and solvents, preservatives in ointments or emulsions; ball pen ink solvent, printing ink solvent; flavor for blending soap and daily make-up, jasmine, moon fragrance, Iran and other essences; plasticizers in textile auxiliaries.

无氯苯甲醇特性
Characteristics

刺激气味性小，颜色清澈；无甲苯残留，金属杂质及其它杂质含量低，提升产品附着力；醛含量低，含水率低，耐黄变性好，耐候性强；无氯离子和氯化物，抗腐蚀、耐老化、耐高温，绝缘系数强；适用于环氧高端应用领域及医药系列产品的生产。

low irritating odor, clear color; no toluene residue, low metal impurities and other impurities, enhance product adhesion; low content of aldehyde, low moisture content, good yellowing resistance, strong weather ability; chlorine-free, corrosion resistance, aging resistance, high temperature resistance, strong insulation coefficient; suitable for high-end epoxy applications and pharmaceutical production.

技术指标及包装
Specifications&Package

项 目 Item	Q/KLBL002-2018		
	优等品 High-class	一等品 First-class	合格品（国标） Qualified(GB)
外 观 Appearance	无色透明液体 Colorless liquid		
色 度（°H） Color(°H)	≤10	≤30	≤50
醛含量（ppm） Benzaldehyde(ppm)	≤200	≤500	≤800
含量（W/%） Assay(W%)	≥99.97	≥99.95	≥99.90
密度（20℃，g/cm ³ ） Density(20℃,g/cm ³)	1.043-1.048		
酸度（以KOH计，mg/g） Acidity(as KOH,mg/g)	≤0.30	≤0.40	≤0.50
折光指数（20℃） Refractive Indexc(20℃)	1.538-1.541		
溶解度（1+30） Solubility(1+30)	澄 清 Clear		
水分（%） Water(%)	≤0.10	≤0.10	≤0.20
氯化物 Chloride	0		

槽罐
ISO TANK



烤漆桶
paint baked drum



吨桶
IBC drum



镀锌桶
galvanized drum





甲苯氧化法 无氯苯甲醛

Chlorine-free benzaldehyde
by toluene oxidation process



甲苯氧化法 无氯苯甲醛

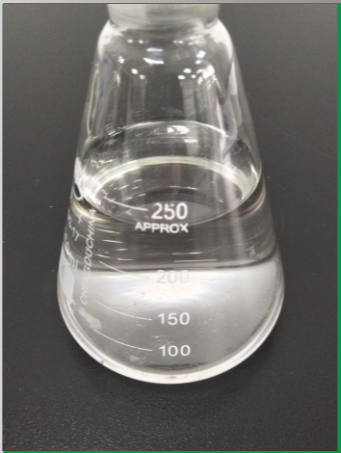
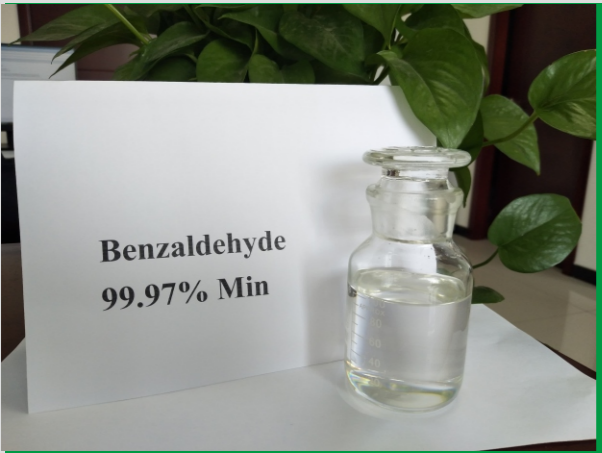
Chlorine-free benzaldehyde
by toluene oxidation process



苯甲醛-C₇H₆O
Benzaldehyde-C₇H₆O

名 称
Name

安息香醛 CAS号：100-52-7
Benzaldehyde CAS NO.:100-52-7



市场用途
Uses

在香精业中主要用于调配食用香精、调合皂用香精，少量用于日化香精和烟用香精；制造农药、染料中间体；医药中间体，多元制造等。

In the flavor industry, it is mainly used for blending food flavors, soap essence, a little for daily flavors and tobacco flavors as well as making pesticides, dyestuff intermediates, pharmaceutical intermediates, multiple manufacturing, etc.

无氯苯甲醛特性
Characteristics

纯度高，杂质含量少，含水率低，无氯离子和氯化物，保证下游产品的高品质及收益率，是生产医药、农药、香料的最佳重要原料中间体。

High purity, low impurities content , low water content, chlorine-free, ensuring high quality and input-output rate of return of its down stream products as perfect intermediates for pharmaceutical , pesticide and flavor manufacturing.

技术指标及包装
Specifications&Package

项 目 Item	Q/KLBL001-2018		
	优等品 High-class	一等品 First-class	合格品（国标） Qualified(GB)
外 观 Appearance	无色透明液体 Colorless liquid		
色 度（°H） Color(°H)	≤10	≤30	≤50
苯甲醛含量（W/%） Assay(W%)	≥99.90	≥99.50	≥99.00
密度（25℃，g/cm ³ ） Density(25℃,g/cm ³)	1.040-1.047	1.040-1.050	
酸值（以苯甲酸计%， 以KOH计，mg/g） Acidity(as benzoic acid %; as KOH,mg/g)	≤0.20 (1.00mg/g)	≤0.50 (3.00mg/g)	≤1.00 (5.00mg/g)
折光指数（20℃） Refractive Indexc(20℃)	1.544-1.547		
水分（%） Water(%)	≤0.10	≤0.20	≤0.30
氯化物 Chloride	0		

塑料桶
Plastic drum

吨桶
IBC drum

槽罐
ISO TANK





特种结晶工艺 苯甲酸
Benzoic acid
by special crystallization process



特种结晶工艺 苯甲酸
Benzoic acid
by special crystallization process



苯甲酸-C₇H₆O₂
Benzoic acid-C₇H₆O₂

名称
Name

安息香酸 CAS号：65-85-0
Benzoic acid CAS NO.:65-85-0



市场用途
Uses

主要用于抗真菌及消毒防腐，用于医药、染料载体、增塑剂、香料和食品防腐剂等的生产；也用于醇酸树脂涂料的性能改进；作为钢铁设备的防锈剂、农业化学品。

Mainly used in antifungal agent, antiseptis, medicine, dye carrier, plasticizer, spices and food preservatives; also used for performance improvement of alkyd resin coatings; as steel equipment anti - rust agent and agricultural chemicals.

苯甲酸特性
Characteristics

无刺激性气味、纯度高，白度好；水、醛、醇、苄酯等杂质含量低；无重金属。
no irritating odor, high purity, high whiteness; low impurity(water, aldehyde, alcohol, benzylester)content; no heavy metal.

技术指标及包装
Specifications& Package

项 目 Item	Q/KLBL003-2018		
	优等品 High-class	一等品 First-class	合格品（国标） Qualified(GB)
外 观 Appearance	白色结晶体 White flakes		
含量（W/%） Assay(W%)	≥99.90	≥99.50	≥99.00
熔点（℃） Melting point(℃)	121-123		
易氧化物 Oxidizable substances	通过实验 Pass test		
易碳化物 Oxidizable substances	通过实验 Pass test		
重金属（以pd计%） Heavy metals(as pb%)	≤0.001		
水分（%） Water(%)	≤0.1	≤0.3	≤0.5
灼烧残渣的质量分数（%） Residue on ignition(%)	≤0.05		
邻苯二甲酸（mg/kg） Phthalic acid(mg/kg)	≤50	≤80	≤100
联苯类（mg/kg） Biphenyl(mg/kg)	≤50	≤80	≤100
氯化物（以cl计，w/%） Chloride(as cl,w%)	0		

编织袋
Plastic woven bag



吨袋
Ton bag

