

# COMPANY PROFILE

Qingdao Guolin Technology Group Co., Ltd (Stock Code: 300786, hereinafter "the Company") is a leading Glyoxylic Acid & Potassium Formate manufacturer located in China, was founded in Dec.1994. Based on its 30 years Ozone manufacturing technology, the Company developed a sophisticated producing process of Ozonation, which allows us serving high quality and stable products to all clients globally.

The Company owns two eco-friendly factories: Shihezi factory occupies an area of 10,000 square meters. Another site is built in Qingdao City, a world-renowned port city. The Shihezi site has 16 sets Ozone Generators 120Kg/h, 5500Nm<sup>3</sup> VPSA oxygen generator and 14000Nm<sup>3</sup> Oxygen recovery equipment, ensuring the highest quality of the Glyoxylic Acid and Potassium Formate.

Based on strong R & D capability, the Company has overcome the technical challenge of large Ozone generator and VPSA Oxygen generator. This made us stable manufacturing Glyoxylic Acid and Potassium Formate via Ozone technique in large scale.

## Glyoxylic Acid

Glyoxylic acid is a highly reactive chemical intermediate and widely used in the production of agrochemicals, aromas, cosmetic ingredients, pharmaceutical intermediates and polymers.



Glyoxylic Acid Monohydrate



Glyoxylic Acid 50%

### Specification

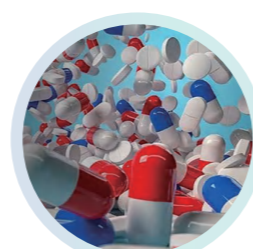
Product Name	Glyoxylic Acid Monohydrate	
Item	Qualified	High Quality
Glyoxylic Acid Monohydrate	≥98.00%	≥98.5%
Formic acid	≤0.50%	≤0.40%
Oxalic acid	≤1.25%	≤0.90%
Maleic acid	≤0.25%	≤0.20%

Product Name	Glyoxylic Acid 50%		
Item	Qualified	First-grade	High Quality
Glyoxylic Acid	≥50.00%	≥50.00%	≥50.00%
Formic acid	≤0.30%	≤0.30%	≤0.20%
Oxalic acid	≤0.90%	≤0.50%	≤0.25%
Maleic acid	≤0.15%	≤0.15%	≤0.15%

### Applications



Aromas



Pharmaceutical intermediates



Agrochemical



Cosmetics



Water Treatment Agent

## Potassium Formate

Potassium formate, HCOOK, is the potassium salt of formic acid. This white solid has strong hygroscopicity. It is reductive and can react with strong oxidants with density 1.9100g/cm<sup>3</sup>. It is soluble in water and Non-toxic and non-corrosive. The aqueous solution is colorless and transparent.



### Specification

Item	Standard	
	96%, Solid	75%, Liquid
HCOOK	≥96.0%	≥74.0%
KOH	≤0.5%	≤0.5%
K <sub>2</sub> CO <sub>3</sub>	≤1.0%	≤0.5%
KCl	≤0.5%	≤0.5%
water	≤2.0%	—
Density, g/cm <sup>3</sup>	1.55-1.58	1.55-1.58
pH	9-12	9-12
Appearance	White Crystal	Colorless clear liquid

### Applications



- Oil Drilling and Completion Fluids
- Deicer in Snowmelt Industry



- Foliar Fertilizer
- Tanning Industry



- Reducing Agent



## Advantages

### 1 Advanced Manufacturing Technology

Only manufacturer can utilize sophisticated method of Ozone oxidation Maleic Anhydride in China;  
Can produce Glyoxylic Acid 98% solid directly, easy transportation and storage;  
Zero Emission and environmental-friendly;

### 2 Unique Product Quality

Higher Purity & Lower Impurities, Glyoxal -Free;  
Much more Healthier and Safer to our Body;  
No Influences on the Performance of Downstream Products;  
Added Value to our Partners;  
White Crystal or Light Yellow Transparent Liquid;  
Added Value to our Partners;

### 3 Convenient Logistics

2-3 Hours by car from our Qingdao Plant to International Qingdao Port;  
3-4Hours by car from Shihezi Plant to CR express station- Alashankou. (China Railway Express to Europe)  
Lower Transportation Cost;  
Delivered on Time;

## Packing



- **Solid product:** 25kg/PE Bag (47\*72cm);
- **Liquid product:** 20L, 200L, 1000L, ISO TANK;
- **Other Packing:** Available by Request;

## GUOLIN

Tel: +86 532 8499 2526

Email : coco\_xie@china-guolin.com  
chemical@china-guolin.com

Web : <http://www.glyoxylic-acid.cn/>

Add: No.188A, Zhuzhou Road, Laoshan District, Qingdao, China

# GUOLIN

## High-Quality Glyoxylic Acid & Potassium Formate Manufacturer by Advanced Ozone Technology



Qingdao Guolin Technology Group Co., Ltd