

Real Good Polymers  
ID# 2

1234 Jolly Way  
923-555-2348



ID# 2310F7yw  
certs.carbonsig.app

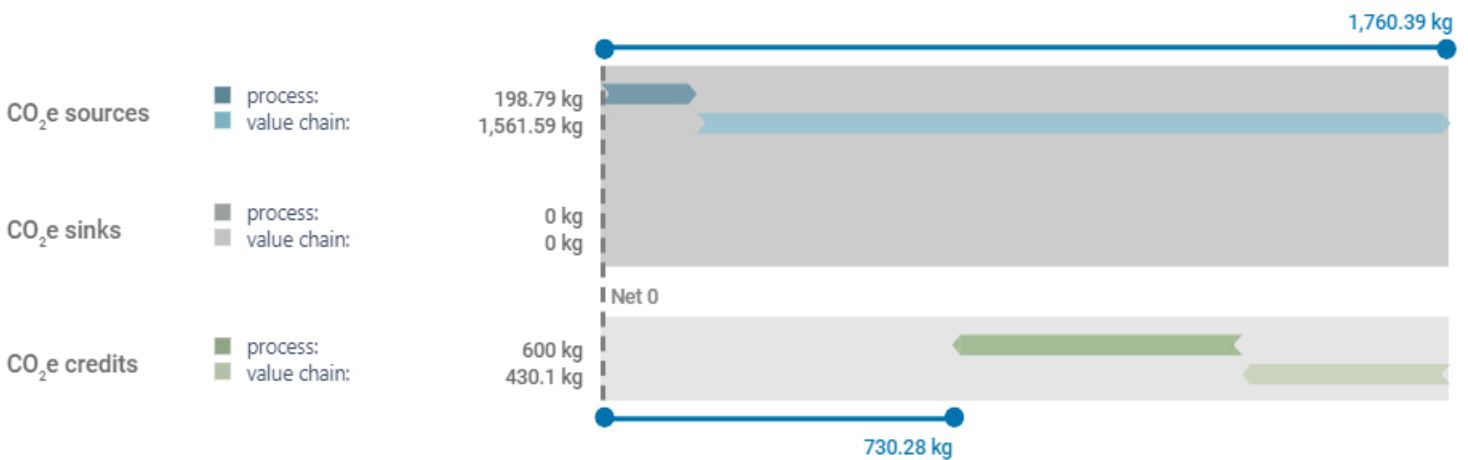
Carbon attested product generated at 10/27/2023, 1:24:26 PM (GMT-4)  
Recipient confirmed 11/3/2023, 10:14:10 AM (GMT-4)

### Attestation of:

Product: Chlorine, liquid  
Quantity: 5,000 lb  
Assigned to: Caustic for Sally PO 1234  
Attested by: Real Good Polymers

### Attested Emissions:

Embodied CO<sub>2</sub>e: 1,760.39 kg  
Intensity: 0.3521 kg CO<sub>2</sub>e/lb



Embodied CO<sub>2</sub>e with credits: 730.28 kg  
Intensity: 0.1461 kg CO<sub>2</sub>e/lb


### Processes:


C/A Electrolyzer: 1,754.46 kg



Chemical dryer: 5.93 kg




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## Attestation Summary:

### GWP emissions factors:

GWP 100-year

### Data completeness:

100%

### Carbon credit projects:

2

### Greenhouse gas inventory methodology:

GHG Protocol

### Direct emissions tracked:

0%

### Average credit rating:

0: 0

### Third-party Verified:

Yes (TUV)

### Reported processes:

2

### Removals : Reductions:

0: 0

### Reported product flows:

9

### Certifications:

## Process Flows:

### C/A Electrolyzer:

#### Inputs:

#### Cogen electricity

0.398 kg CO<sub>2</sub>e/kWh

#### Grid electricity

0.4218 kg CO<sub>2</sub>e/kWh

#### Brine

158.76 kg CO<sub>2</sub>e/Dry short ton (US)

#### Process water

0.0003 kg CO<sub>2</sub>e/Mgal (US)


#### Outputs:


#### Caustic, dilute

0.3509 kg CO<sub>2</sub>e/lb

#### Chlorine, wet gas


0.3509 kg CO<sub>2</sub>e/lb

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Nitrogen  
2.93 kg CO<sub>2</sub>e/Mscf


Additives  
Redacted data

Chemical dryer:


 Inputs:

Sulfuric acid  
190.51 kg CO<sub>2</sub>e/Dry short ton (US)

Chlorine, wet gas  
0.3509 kg CO<sub>2</sub>e/lb

 Outputs:

Chlorine, liquid  
0.3521 kg CO<sub>2</sub>e/lb

 Carbon Credits:

Assigned by product owner:

TW Ghana ODS Project  
600 kg CO<sub>2</sub>e  
S/N:

Verra Verified Carbon Standard

2021

Inherited by value chain:

Biofuels from manure project  
430.1 kg CO<sub>2</sub>e  
S/N: 2938-19384-437243-1349719-sdafij

Verra Verified Carbon Standard

2018