



# HALAL WATCH WORLD

THE GOLD STANDARD



## PRODUCT REPORT

ResinTech, inc

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# COMPANY BACKGROUND

**Halal Watch World LLC** is a halal certification limited liability corporation based in the state of New York, and has operated in the certification industry since 1990. HWW is an organization that stands upon the trust of the Muslim public, and believes that it is imperative that their trust never be jeopardized. We maintain standards to the highest degree of scrutiny and perform regular audits for the protection of our constituents.

Halal Watch World understands that halal certification is a communal obligation (فرض كفاية), meaning, at least one person of the community must uphold it. If no one takes up this responsibility, the entire community bears a burden of sin. Therefore, we must be extra diligent with this effort. We realize the seriousness of the matter and understand the dire consequences of not filling this duty to the fullest capacity. God explains this to us in the Holy Quran by His statement:

***“ And say not concerning that which your tongue says falsely: 'This is Halal and this is Haram,' so as to invent lies against Allah. Verily, those who invent lies against Allah will never prosper...A passing brief enjoyment (will be theirs), but they will have a painful torment.”***

*[Al Quran] 16:116-117*

HWW ensures to the best of its ability a high level of authenticity is upheld. This allows them to gain the trust of the Muslim community, and garner strong relationships with companies who produce, process, and distribute halal products at all levels. By this, they are able to offer halal producing company's guidance and consultation on the direction of their processes and products, while ensuring that Islamic dietary standards are always maintained and monitored. Muslims can use this information in order to make well informed decisions about what they choose to eat.

**Legal Filings:** Halal Watch World holds registered trademark number 4728733, and Department of State (New York) number 4814343. Halal Watch World is also a registered halal certifying organization with The Department of Agriculture and Markets of New York State (See supporting documentation).

We begin in the name of God SWT



# CERTIFICATION CONSIDERATIONS

There are 4 main factors taken into consideration when determining the halal status of a product:

## **1. Is the product/ingredient Halal Aslan (by default)?**

If the product is Halal by default, then the location it is harvested, produced, or manufactured in, even if done so by a non-Muslim, is not necessary to inspect.

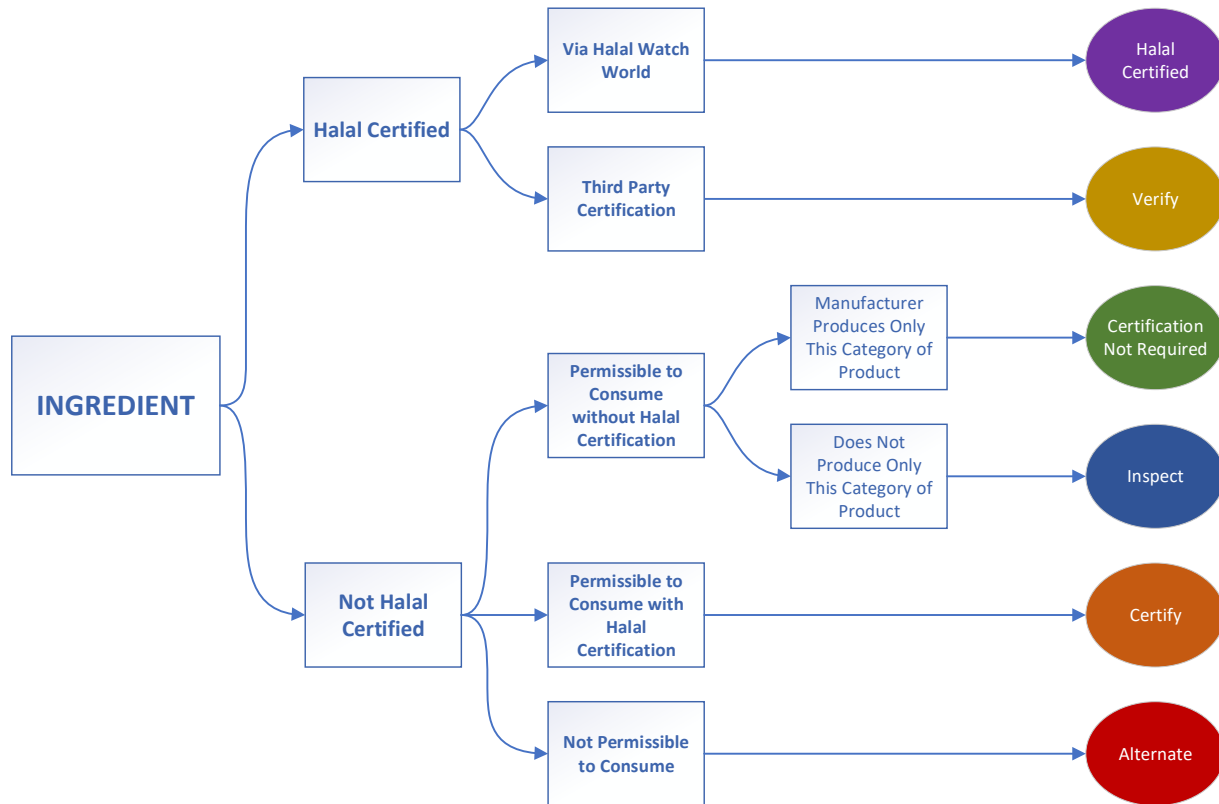
## **2. Is the product/ingredient Halal certified via another organization?**

If another organization certifies the product as Halal, then it is incumbent upon us to perform a *tahqeeq* (verification) certification of the establishment. We must be able to ascertain that the certifying body is competent and capable of determining the status of such products. In the event that we are unable to gain this information, our organization must inspect the location of production before certifying.

## **3. Are there any impermissible ingredients being produced in the same facility?**

As is the norm in Muslim minority societies, manufacturers produce both Halal and Non-Halal products in the same facilities. If other non-Halal items are produced in the same facility, an inspection may be required. In the event that an inspection is not possible, Halal Watch World reserves the right to utilize other forms of off-site audit procedures requiring documentation and the like in order to determine the facilities halal production capabilities. It is generally required for us to determine that the manufacturer prevents the following:

1. Product Contamination
2. Cleaning Method fulfils Islamic requirements
3. Separate storage locations between Halal and non-Halal products, or preventative measures are in place to remove the possibility of mislabelling
4. Halal certified label is visible either on the box or the product
5. Halal certificate from source meat supplier is valid



Regarding contamination, products cannot be cooked upon or within the same utensils without proper cleansing. This means that any liquid substance that interacts with non-halal products becomes contaminated. This includes oil, and other wet cooking surfaces. Thus, if a vat of oil is used to cook non-halal products (which is considered as filth), it cannot be used to cook Halal products without contaminating it.

#### 4. Are there any contents in the product that contain impermissible ingredients?

We refer to the list of impermissible consumables on the previous pages. If the product under audit is found to contain any of the ingredients on the ban list, these products cannot be considered as halal.

# Client Details: ResinTech, inc

## FACILITY PROFILE

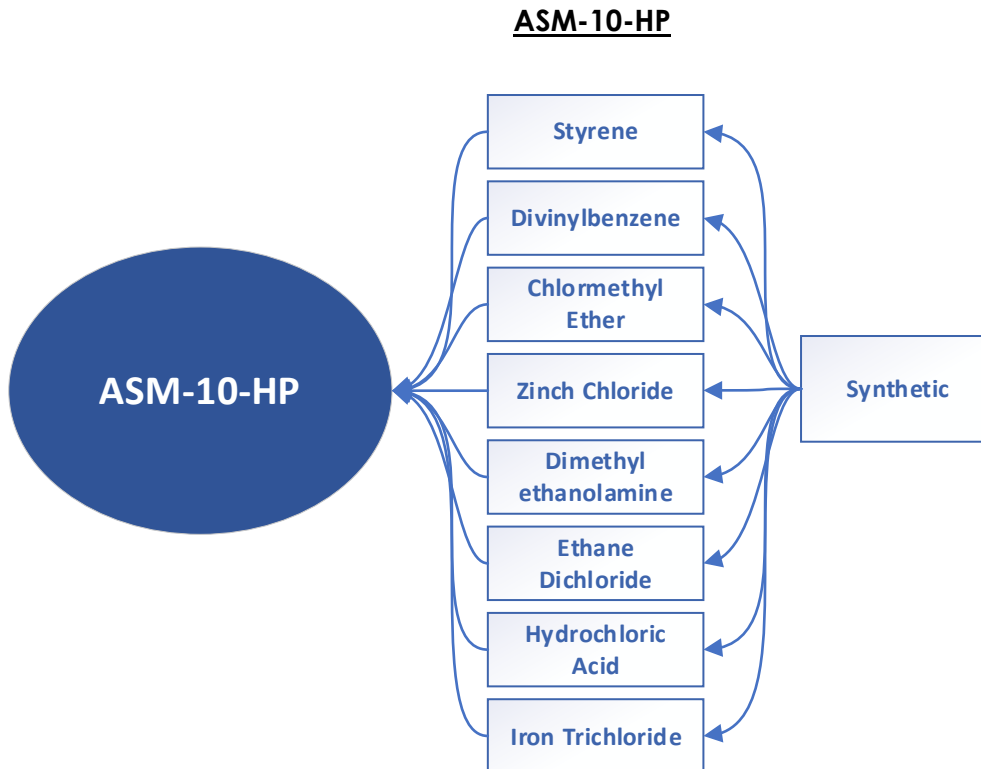
ResinTech has been a global leader in the field of ion exchange for water purification since its founding in 1986. The company has since expanded to manufacture water purification cartridges and lab water systems, provide resin regeneration and wastewater treatment services, reverse osmosis membrane restoration, and provide world-class lab services for resin and water analysis. And it all started in a basement.

<b>Client Details</b>	
<b>GENERAL INFORMATION</b>	
Product Type:	Plastic
Total Number of Products:	19
Total Number of Ingredients:	4
<b>SUPPLIER OVERVIEW</b>	
Supplier1:	Veolia - North America
Supplier2:	Suqing Group
Supplier3:	Sun Resin
Supplier4:	Pure Resin Co. Ltd
Supplier5:	Auchtel Products Ltd

## **PRODUCT INFORMATION**

<b>Product name</b>	<b>HWW Product ID</b>	<b>Ingredients List</b>
ASM-10-HP	MR1055-PL01	Styrene, Divinylbenzene, Chlormethyl Ether, Zinc Chloride, Dimethyl ethanolamine, Ethane Dichloride, Water, Hydrochloric Acid, Iron Trichloride
CGS	MR1055-PL02	Styrene, Divinylbenzene, Ethane Dichloride, Water, Sulfuric Acid
CGS-BL	MR1055-PL03	Styrene, Divinylbenzene, Ethane Dichloride, Water, Sulfuric Acid
CG8	MR1055-PL04	Styrene, Divinylbenzene, Ethane Dichloride, Water, Sulfuric Acid
CG8-BL	MR1055-PL05	Styrene, Divinylbenzene, Ethane Dichloride, Water, Sulfuric Acid
CG8-C	MR1055-PL06	Styrene, Divinylbenzene, Ethane Dichloride, Water, Sulfuric Acid
CG8-F	MR1055-PL07	Styrene, Divinylbenzene, Ethane Dichloride, Water, Sulfuric Acid
CG10	MR1055-PL08	Styrene, Divinylbenzene, Ethane Dichloride, Water, Sulfuric Acid
CG10-BL	MR1055-PL09	Styrene, Divinylbenzene, Ethane Dichloride, Water, Sulfuric Acid
SACMP	MR1055-PL010	Styrene, Divinylbenzene, Ethane Dichloride, Water, Sulfuric Acid
SBACR	MR1055-PL011	Trimethylolpropane Diallyl Ether, Dimethylaminopropylamine, chloromethane, 30% NaOH, Divinylbenzene, methyl acrylate, Water, isobutanol
SBACR-MP	MR1055-PL012	Trimethylolpropane Diallyl Ether, Dimethylaminopropylamine, chloromethane, 30% NaOH, Divinylbenzene, methyl acrylate, Water, isobutanol
SBG1	MR1055-PL013	Styrene, Divinylbenzene, Chlormethyl Ether, Zinc Chloride, Trimethylamine Ethane Dichloride, Water, Hydrochloric Acid
SBG1P	MR1055-PL014	Styrene, Divinylbenzene, Chlormethyl Ether, Zinc Chloride, Trimethylamine Ethane Dichloride, Water, Hydrochloric Acid
SBG2	MR1055-PL015	Styrene, Divinylbenzene, Chlormethyl Ether, Zinc Chloride, Trimethylamine Ethane Dichloride, Water, Hydrochloric Acid
SBMP1	MR1055-PL016	Styrene, Divinylbenzene, Chlormethyl Ether, Zinc Chloride, Trimethylamine Ethane Dichloride, Water, Hydrochloric Acid
WACG-HP	MR1055-PL017	Styrene, Divinylbenzene, Acrylonitrile, Benzoyl Peroxide, Hydroxyethyl Cellulose, Sodium Chloride
WACMP	MR1055-PL018	Styrene, Divinylbenzene, Acrylonitrile, Benzoyl Peroxide, Hydroxyethyl Cellulose, Sodium Chloride, Water
WBMP	MR1055-PL019	Divinylbenzene, Styrene, Chlormethyl Ether, Dimethylamine, Water, NaOH

## PRODUCT PROFILE



### **ASM-10-HP**

ResinTech ASM-10-HP is a chloride form arsenic selective hybrid anion exchange resin. ASM-10-HP has hydrated iron oxide monoatomically dispersed throughout the polymer. It captures arsenate first by ion exchange and then by absorption into the iron oxide hybrid. ResinTech ASM-10-HP is intended for arsenic removal from potable water, and can also be used as an ion exchanger for removal of uranium and other trace level contaminants.

### Ingredient Status

Styrene: – **Halal** (Aslan) [Styrene is an organic compound with the chemical formula  $C_6H_5CH=CH_2$ . This derivative of benzene is a colorless oily liquid, although aged samples can appear yellowish. The compound evaporates easily and has a sweet smell, although high concentrations have a less pleasant odor.]

Divinylbenzene: – **Halal** (Aslan) [Divinylbenzene consists of a benzene ring bonded to two vinyl groups. It is related to styrene by the addition of a second vinyl group. It is a colorless liquid manufactured by the thermal dehydrogenation of isomeric diethylbenzenes.]

Chlormethyl Ether: – **Halal** (Aslan) [Chloromethyl methyl ether is a compound with formula  $\text{CH}_3\text{OCH}_2\text{Cl}$ . It is a chloroalkyl ether. It is used as an alkylating agent and industrial solvent to manufacture the detergent dodecylbenzyl chloride, water repellents and ion-exchange resins.]

Zinc chloride: – **Halal** (Aslan) [Zinc chloride is the name of chemical compounds with the formula  $\text{ZnCl}_2$  and its hydrates. Zinc chlorides, of which nine crystalline forms are known, are colorless or white, and are highly soluble in water. This white salt is hygroscopic and even deliquescent.]

Dimethylethanolamine: – **Halal** (Aslan) [Dimethylethanolamine is an organic compound with the formula  $(\text{CH}_3)_2\text{NCH}_2\text{CH}_2\text{OH}$ . It is bifunctional, containing both a tertiary amine and primary alcohol functional groups. It is a colorless viscous liquid. It is used in skin care products for improving skin tone and also taken orally as a nootropic.]

Ethane Dichloride: – **Halal** (Aslan) [The chemical compound 1,2-dichloroethane, commonly known as ethylene dichloride, is a chlorinated hydrocarbon. It is a colourless liquid with a chloroform-like odour.]

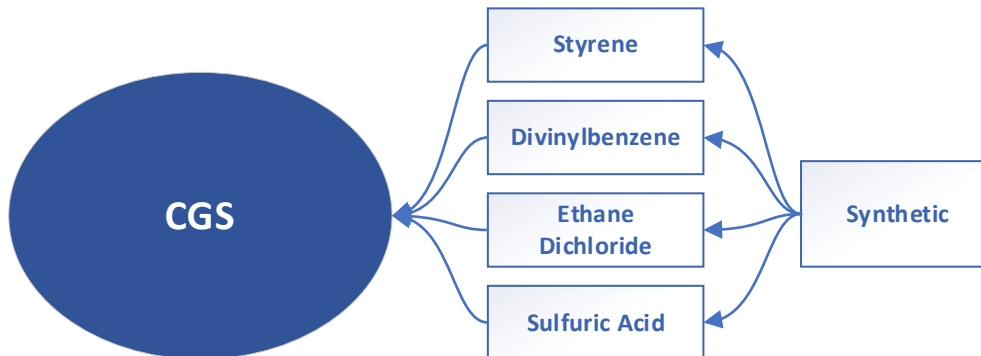
Hydrochloric Acid: – **Halal** (Aslan) [Hydrochloric acid, also known as muriatic acid, is an aqueous solution of hydrogen chloride. It is a colorless solution with a distinctive pungent smell. It is classified as a strong acid. It is a component of the gastric acid in the digestive systems of most animal species, including humans.]

Iron Trichloride: – **Halal** (Aslan) [Iron(III) chloride is the inorganic compound with the formula  $\text{FeCl}_3$ . Also called ferric chloride, it is a common compound of iron in the +3 oxidation state.]

Concerns – None.

## PRODUCT PROFILE

### CGS & CGS-BL & CG8 & CG8-BL & CG8-C & CG8-F & CG10 & CG10-BL & SACMP



### CGS & CGS-BL & CG8 & CG8-BL & CG8-C & CG8-F & CG10 & CG10-BL & SACMP

ResinTech CGS is a sodium form standard crosslinked gel strong acid cation resin. CGS is optimized for residential applications that require good regeneration efficiency and High capacity. ResinTeh CGS is intended for use in all residential and commercial softening applications that do not have significant amounts of chlorine in the feedwater. CGS is supplied in the sodium form.

#### Ingredient Status

Styrene: – **Halal** (Aslan) [Styrene is an organic compound with the chemical formula  $C_6H_5CH=CH_2$ . This derivative of benzene is a colorless oily liquid, although aged samples can appear yellowish. The compound evaporates easily and has a sweet smell, although high concentrations have a less pleasant odor.]

Divinylbenzene: – **Halal** (Aslan) [Divinylbenzene consists of a benzene ring bonded to two vinyl groups. It is related to styrene by the addition of a second vinyl group. It is a colorless liquid manufactured by the thermal dehydrogenation of isomeric diethylbenzenes.]

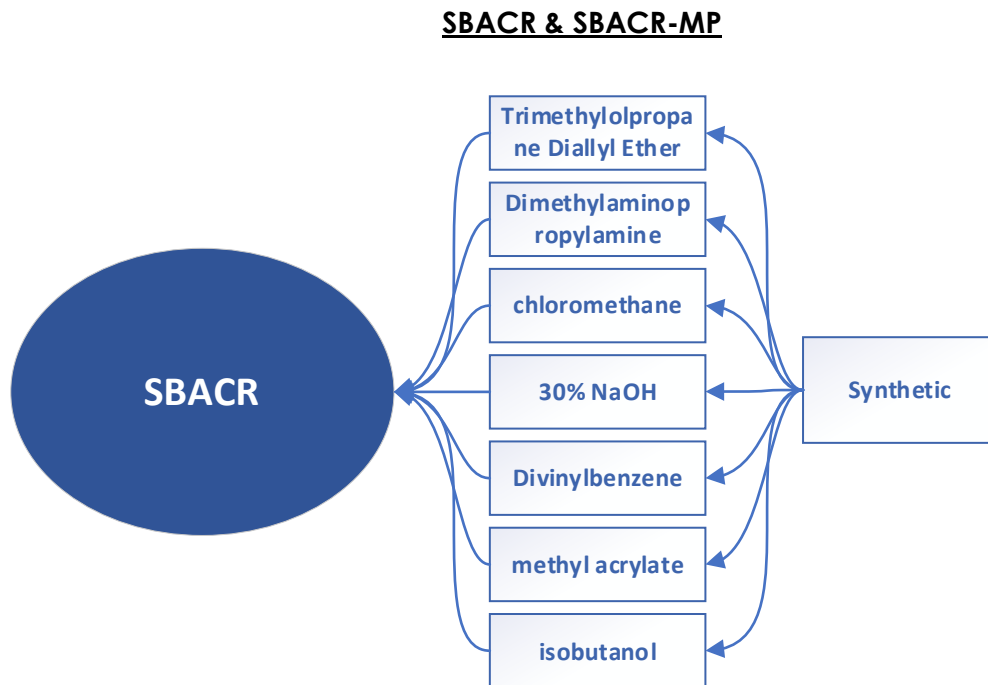
Ethane Dichloride: – **Halal** (Aslan) [The chemical compound 1,2-dichloroethane, commonly known as ethylene dichloride, is a chlorinated hydrocarbon. It is a colourless liquid with a chloroform-like odour.]

Sulfuric Acid: – **Halal** (Aslan) [Sulfuric acid or sulphuric acid, also known as oil of vitriol, is a mineral acid composed of the elements sulfur, oxygen and hydrogen, with

the molecular formula H<sub>2</sub>SO<sub>4</sub>. It is a colorless, odorless and viscous liquid that is miscible with water.]

Concerns – None.

## **PRODUCT PROFILE**



### **SBACR & SBACR-MP**

ResinTech SBACR is a chloride form type 1 acrylic gel strong base anion resin. SBACR has an aliphatic chemical structure that is elastic and open allows organic ions to move in and out of the resin easily. ResinTech SBACR is intended for use in the chloride form as an organic trap and for use in the hydroxide form for demineralizers that have a high level of organics in the feedwater. SBACR is available in the chloride form or can be special ordered in the hydroxide form (when ordered as SBACR-Oh).

### Ingredient Status

Trimethylolpropane Diallyl Ether: – **Halal** (Aslan) [Trimethylolpropane diallyl ether (TMPAE) is an unsaturated allyl ether that can be synthesized by Williamson

esterification reaction in the presence of trimethylolpropane, sodium hydroxide, and allyl chloride as starting materials.]

Dimethylaminopropylamine: – **Halal** (Aslan) [Dimethylaminopropylamine is a diamine used in the preparation of some surfactants, such as cocamidopropyl betaine which is an ingredient in many personal care products including soaps, shampoos, and cosmetics.]

Chloromethane: – **Halal** (Aslan) [Chloromethane, also called methyl chloride, Refrigerant-40, R-40 or HCC 40, is an organic compound with the chemical formula  $\text{CH}_3\text{Cl}$ . One of the haloalkanes, it is a colorless, odorless, flammable gas. Methyl chloride is a crucial reagent in industrial chemistry, although it is rarely present in consumer products.]

30% NaOH: – **Halal** (Aslan) [Sodium hydroxide, also known as lye and caustic soda, is an inorganic compound with the formula  $\text{NaOH}$ . It is a white solid ionic compound consisting of sodium cations  $\text{Na}^+$  and hydroxide anions  $\text{OH}^-$  .]

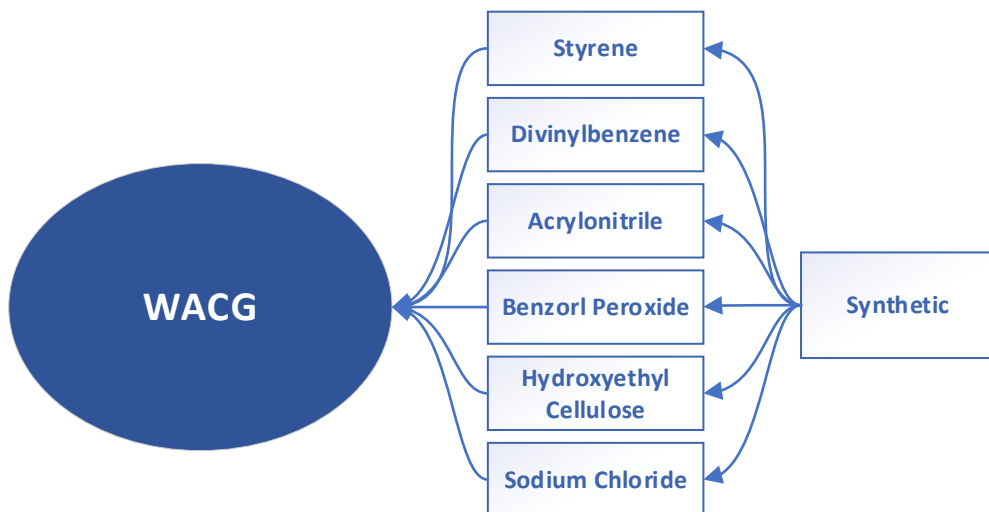
Divinylbenzene: – Halal (Aslan) [Divinylbenzene consists of a benzene ring bonded to two vinyl groups. It is related to styrene by the addition of a second vinyl group. It is a colorless liquid manufactured by the thermal dehydrogenation of isomeric diethylbenzenes.]

Methyl acrylate: – **Halal** (Aslan) [Methyl acrylate is an organic compound, more accurately the methyl ester of acrylic acid. It is a colourless liquid with a characteristic acrid odor. It is mainly produced to make acrylate fiber, which is used to weave synthetic carpets. It is also a reagent in the synthesis of various pharmaceutical intermediates.]

Isobutanol: – **Halal** (Aslan) [Isobutanol is an organic compound with the formula  $(\text{CH}_3)_2\text{CHCH}_2\text{OH}$ . This colorless, flammable liquid with a characteristic smell is mainly used as a solvent either directly or as its esters. Its isomers, the other butanols, include n-butanol, 2-butanol, and tert-butanol, all of which are important industrially.]

Concerns – None.

### WACG-HP & WACMP



### WACG-HP & WACMP

ResinTech WACG-HP is a hydrogen form gel weak acid cation resin. WACG-HP has exceptionally high capacity and can be regenerated at close to 100% acid efficiency. WACGHP is intended for all hydrogen cycle dealkalizer applications, as a component resin in demineralizers, and for Metals removal in waste treatment applications (when ordered in the sodium form). ResinTech WACG-HP is available in the hydrogen form, in the buffered form for potable water applications (when ordered as WACG-HP), and in the sodium form (when ordered as WACG-HP-Na).

### Ingredient Status

Styrene: – **Halal** (Aslan) [Styrene is an organic compound with the chemical formula  $C_6H_5CH=CH_2$ . This derivative of benzene is a colorless oily liquid, although aged samples can appear yellowish. The compound evaporates easily and has a sweet smell, although high concentrations have a less pleasant odor.]

Divinylbenzene: – **Halal** (Aslan) [Divinylbenzene consists of a benzene ring bonded to two vinyl groups. It is related to styrene by the addition of a second vinyl group. It is a colorless liquid manufactured by the thermal dehydrogenation of isomeric diethylbenzenes.]

Acrylonitrile: – **Halal** (Aslan) [Acrylonitrile is an organic compound with the formula  $CH_2CHCN$ . It is a colorless volatile liquid although commercial samples can be

yellow due to impurities. It has a pungent odor of garlic or onions. In terms of its molecular structure, it consists of a vinyl group linked to a nitrile.]

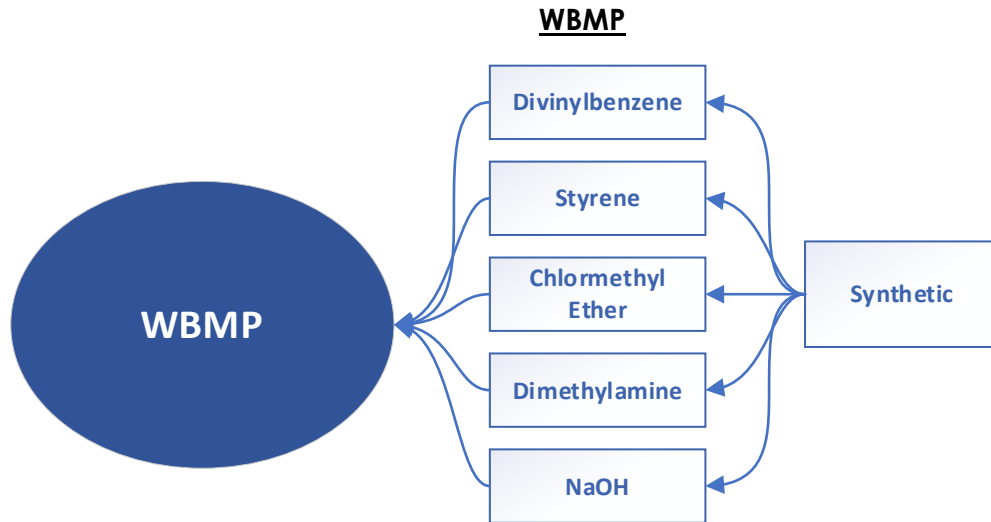
Benzoyl peroxide: – **Halal** (Aslan) [Benzoyl peroxide is a chemical compound with structural formula  $\text{C}_6\text{H}_5\text{C(O)OOC(C}_6\text{H}_5\text{)}$ , often abbreviated as  $(\text{BzO})_2$ . In terms of its structure, the molecule can be described as two benzoyl groups connected by a peroxide.]

Hydroxyethyl cellulose: – **Halal** (Aslan) [Hydroxyethyl cellulose is a gelling and thickening agent derived from cellulose. It is widely used in cosmetics, cleaning solutions, and other household products.]

Sodium chloride: – **Halal** (Aslan) [Sodium chloride, commonly known as salt, is an ionic compound with the chemical formula  $\text{NaCl}$ , representing a 1:1 ratio of sodium and chloride ions. With molar masses of 22.99 and 35.45 g/mol respectively, 100 g of  $\text{NaCl}$  contains 39.34 g Na and 60.66 g Cl.]

Concerns – None.

## PRODUCT PROFILE



### **WBMP**

ResinTech WBMP is a styrenic macroporous weak base anion resin with moderate strong base functionality. WBMP is a weak base anion resin with very good rinse characteristics that can be efficiently regenerated with a variety of alkaline chemicals, or with waste caustic left over from regeneration of strong base anion resin. ResinTech WBMP is intended for use in multibed demineralizers. It can also be used in resource recovery systems and for selective ion removal (when used in the acid salt form). WBMP is supplied in the free base form, or can be special ordered in the acid salt form (when ordered as WBMP-HCl), or with the strong base sites regenerated into the hydroxide form (when ordered as WBMP-OH).

### Ingredient Status

Divinylbenzene: – **Halal** (Aslan) [Divinylbenzene consists of a benzene ring bonded to two vinyl groups. It is related to styrene by the addition of a second vinyl group. It is a colorless liquid manufactured by the thermal dehydrogenation of isomeric diethylbenzenes.]

Styrene: – **Halal** (Aslan) [Styrene is an organic compound with the chemical formula  $C_6H_5CH=CH_2$ . This derivative of benzene is a colorless oily liquid, although aged samples can appear yellowish. The compound evaporates easily and has a sweet smell, although high concentrations have a less pleasant odor.]

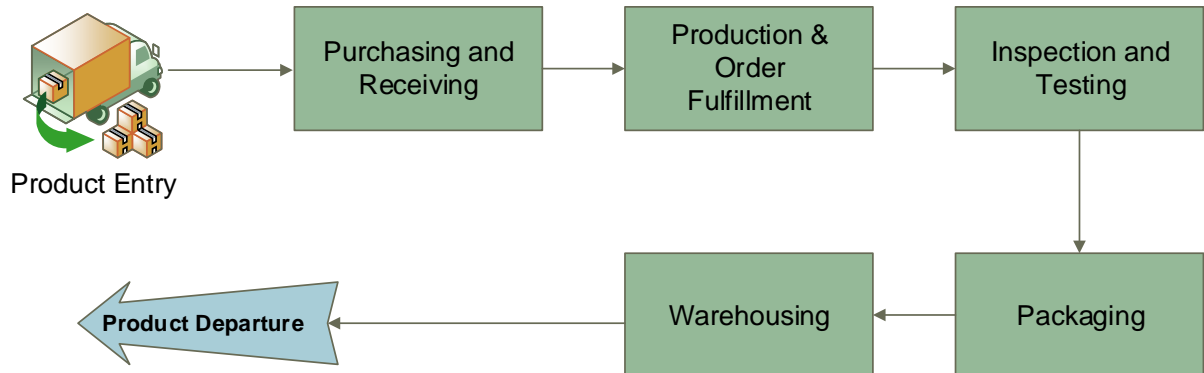
Chloromethyl methyl ether: – **Halal** (Aslan) [Chloromethyl methyl ether is a compound with formula  $\text{CH}_3\text{OCH}_2\text{Cl}$ . It is a chloroalkyl ether. It is used as an alkylating agent and industrial solvent to manufacture the detergent dodecylbenzyl chloride, water repellents and ion-exchange resins.]

Dimethylamine: – Halal (Aslan) [Dimethylamine is an organic compound with the formula  $(\text{CH}_3)_2\text{NH}$ . This secondary amine is a colorless, flammable gas with an ammonia-like odor. Dimethylamine is commonly encountered commercially as a solution in water at concentrations up to around 40%. An estimated 270,000 tons were produced in 2005.]

NaOH: – **Halal** (Aslan) [Sodium hydroxide, also known as lye and caustic soda, is an inorganic compound with the formula NaOH. It is a white solid ionic compound consisting of sodium cations  $\text{Na}^+$  and hydroxide anions  $\text{OH}^-$ .]

Concerns – None.

## PROCESSING OVERVIEW



## **CLEANING METHOD**

Description: N/A.

Frequency: N/A.

PRODUCT & SUPPLIER ASSESSMENT

**Pure Resin & Sun Resin & Auchtel & Suging**

Raw Material	Proof of Purchase	Statement/Certificate	Pass/Fail	Status Recommendation	Ingredient Source
Divinylbenzene	Receipt	Statement	Pass	Halal Aslan	Synthetic

**Pure Resin & Sun Resin & Auchtel**

Raw Material	Proof of Purchase	Statement/Certificate	Pass/Fail	Status Recommendation	Ingredient Source
Styrene	Receipt	Statement	Pass	Halal Aslan	Synthetic
Ethane Dichloride	Receipt	Statement	Pass	Halal Aslan	Synthetic
Chlormethyl Ether	Receipt	Statement	Pass	Halal Aslan	Synthetic
Zinc Chloride	Receipt	Statement	Pass	Halal Aslan	Synthetic
Trimethylamine	Receipt	Statement	Pass	Halal Aslan	Synthetic
Acrylonitrile	Receipt	Statement	Pass	Halal Aslan	Synthetic
Benzoyl Peroxide	Receipt	Statement	Pass	Halal Aslan	Synthetic
Hydroxyethyl Cellulose	Receipt	Statement	Pass	Halal Aslan	Synthetic
Sodium Chloride	Receipt	Statement	Pass	Halal Aslan	Synthetic

**Pure Resin & Sun Resin & Suqing**

Raw Material	Proof of Purchase	Statement/Certificate	Pass/Fail	Status Recommendation	Ingredient Source
Trimethylolpropane Diallyl Ether	Receipt	Statement	Pass	Halal Aslan	Synthetic
Dimethylaminopropylamine	Receipt	Statement	Pass	Halal Aslan	Synthetic
Chloromethane	Receipt	Statement	Pass	Halal Aslan	Synthetic
Methyl Acrylate	Receipt		Pass	Halal Aslan	Synthetic
Isobutanol	Receipt	Statement	Pass	Halal Shartan	Synthetic

**Pure Resin & Sun Resin**

Raw Material	Proof of Purchase	Statement/Certificate	Pass/Fail	Status Recommendation	Ingredient Source
Dimethylethanolamine	Receipt	Statement	Pass	Halal Aslan	Synthetic

**Auchtel**

Raw Material	Proof of Purchase	Statement/Certificate	Pass/Fail	Status Recommendation	Ingredient Source
Dimethylamine	Receipt		Pass	Halal Aslan	Synthetic

**Veolia**

Raw Material	Proof of Purchase	Statement/Certificate	Pass/Fail	Status Recommendation	Ingredient Source
Sulfuric Acid	Receipt	Statement	Pass	Halal Aslan	Synthetic
Hydrochloric Acid	Receipt	Statement	Pass	Halal Aslan	Synthetic
Sulfuric Acid	Receipt	Statement	Pass	Halal Aslan	Synthetic

**TESTING METHOD**

The following tests are performed for the production facility: None.

# CONCLUSION

Client was cooperative, compliant with on-site access, and all relevant documentation requests. Inspector was able to identify all critical Halal Area Risk Management locations. All H.A.R.M. areas have been properly mitigated. All source materials have been analysed during this review. ResinTech, inc's facility has been deemed to be conducive to maintaining the integrity of a Halal product.

**Based upon this information, the review team hereby certifies both the facility, and all products mentioned in this report to be Halal.**

## REVIEW AGENT:



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**Tameem Allie**  
**Technical Review Analyst**

## APPROVED BY:



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**Sh. Darweesh Muhammad**  
**Director of Operations**



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**Imam Mansoor Rafiq Umar**  
**President**

**Date: Thursday, 03 February 2022**