

Declaration on suitability of the use of NCA-Verodan products in Halal and Kosher food production lines

The Kosher and Halal rules prohibit the consumption of ethanol. **NCA-Verodan A/S** is not officially certified to produce Kosher or Halal products, as this is a certification intended for food production facilities. However, many of our customers are certified as such and request declarations about the suitability of our products for use in their Halal or Kosher certified facilities. Herewith general information about the suitability of our products for use in Halal and Kosher certified facilities is presented.

Materials of animal origin

Our raw materials of our products are from a synthetic or vegetable origin and do not contain any raw materials of animal origin. Also, during production there is no contamination with materials from animal origin. We are in contact with our suppliers to control no raw materials of animal origin are used.

Alcohols

The consumption of ethanol is forbidden for followers of the Islamic faith. Any ethanol ranging between 1 and 15% is considered to be Haram (non-Halal, forbidden), whereas ethanol less than 1% is considered as preserving agent and its Halal status is allowed. Any ethanolic solution higher than 15% could be used in industries, but is toxic for human consumption. Some of the products do contain alcohol. The alcohols that we use in our products are ethanol and isopropanol. There is no concern about consuming any residues from alcohols on treated surfaces in the food industry because:

- 1) All these alcohols have a high vapour pressure and evaporate completely within minutes after application on the surface so before any food comes into contact with the treated surface.
- 2) Ethanol used in our products is always denatured with isopropanol and not suitable for human consumption. Isopropanol is chemically different from ethanol and could never be considered as "haram" because they are not intoxicating alcohols. There is no concern for toxicity of these products when used on food contact surfaces, because there are no residues as indicated above. Furthermore, during the long-term marketing of these alcohol-based products there have not been any adverse events reported to us from their use in Halal, Kosher or other food processing lines, further supporting the fact that there are no residues of these products and there is no concern for human health even when the surfaces are not rinsed off after application.

Several Islamic authorities have evaluated the use of alcohol in cleaning, disinfection and cosmetic product and find it acceptable. F.ex. [\(2\) Why Alcohol in Sanitizers is permissible! - Mufti Menk - YouTube](#)

¹ Alzeer J., Hadeed K.A. Ethanol and its Halal status in food industries. Trends in Food Science & Technology, 58 (2016),

Products for use in Halal and Kosher Food production

OPS Foam Cleaning:	CIP Cleaning:
Kombinon® Special	Alu CIP Plus
Kombinon® 132	CIP 105 Alu
Kombinon® 140 Power	CIP 1125 SD
Kombinon® 1105	CIP 1103 SD
Kombinon® SMS	CIP 1105 SP
Kombinon® 125	Alu CIP CL
Kombinon® 120	CIP CL
Kombinon® SuveRen	CIP 1100 CL
Kombinon® Alu 113	CIP 1145
Kombinon® Alu CL	CIP 1122
Kombinon® 129 CL	CIP Acid 10
Kombinon® 132 CL	CIP Acid 54
Kombinon® 140	CIP Acid SP 15
AcidFoam 1	CIP Rinse
Sur Klar	
Sur Klar Extra	
Disinfection:	Additives:
CIP LugtFri Klor	Skumdæmper 9
LugtFri Klor +	Skumdæmper 11-10
Klor 15%	AntiFoam 20-16
Des. Skum QA	OxiCIP Booster
Des. Foam YTA	Lud-Additiv 1
OxiDes CIP	Lud-Additiv 25
OxiDes Foam	Lud-Additiv 0,5
OxiDes SP 15	Hygenperoxid
OxiCIP M1	Perfect Lube

Date: 2024

NCA-Verodan A/S
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