

Carbopol® Ultrez 30 polymer

The superior easy-to-use rheology modifier enabling consistent performance at low pH levels

INCI Name: Carbomer

Carbopol® Ultrez 30 polymer is a white powder, cross-linked homopolymer of polyacrylic acid that is polymerized in a toxicologically-preferred cosolvent system. It offers good electrolyte tolerance, high thickening performance in a broad pH range, and a rich, distinct sensory in challenging skin care formulations. Carbopol Ultrez 30 polymer allows the formulator to achieve desired rheological and aesthetic properties in the presence of electrolytes or acidic actives required for consumer products. Its high electrolyte tolerance and broad pH compatibility make it ideal for formulating products with botanical extracts or water-soluble salts, as well as acidic ingredients such as alpha hydroxy acids, salicylic acid, or organic acid preservatives at a pH range as low as 4.0 - 4.5.

APPLICATIONS

- After Shave (Skin Care)
- Anti-aging Products (Skin Care)
- Antiperspirant/Deodorant (Skin Care)
- Body Lotions/Creams/Gels (Skin Care)
- Eye Area Skin Care Products (Skin Care)
- Facial Care Products (Skin Care)
- Hand Sanitizer (Skin Care)
- Hand/Foot Care (Skin Care)
- Sun Care (Skin Care)
- Wipes (Skin Care)

FEATURES AND BENEFITS

- Easy to use, enabling efficient handling and manufacturing
- Electrolyte tolerant at higher polymer levels, allowing for the creation of formulations with pleasant aesthetics in systems containing electrolytes
- Offers a pleasant sensorial experience with its rich creamy sensory and high clarity in gels
- Offers excellent rheology and suspension in challenging acidic or electrolyte containing skin care systems
- Thickens efficiently at low levels (0.1-0.2 wt%) in electrolyte-free systems, making it a good candidate for formulating simple chassiss
- Thickens over a broad pH range (pH 4.0-12.0), enabling potential applications with active ingredients at low or high pH

THIRD PARTY CERTIFIED

- China compliant
- Halal

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For further information, please visit: www.lubrizol.com/personal-care

PHYSICAL DESCRIPTION AND USE

- **Color/Appearance:** White
- **Form:** Powder
- **Odor:** Mild Sour/Acidic

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SPECIFICATIONS

Product Specification	UOM	Minimum	Maximum	Test Frequency	Test Procedure
ETHYL ACETATE	%		0.45	Each Lot	SA-009
LOSS ON DRYING	%		2	Test One in Ten	SA-004
BROOKFIELD VIS, 0.5% MUCILAGE @ 25 C	cP	45000	65000	Each Lot	430-I
CLARITY, % TRANSMITTANCE	%	88		Each Lot	485-D
CYCLOHEXANE	%		0.45	Each Lot	SA-009
WETTING TIME (MINUTES)	min		15	Each Lot	TP-BRK-030
ARSENIC (2 PPM MAX)		Pass		Each Lot	SA-012
HM AS (PB,AS,HG,SB) 10 PPM MAX		Pass		Each Lot	SA-012

Lubrizol test procedures may be found online at: www.lubrizol.com/Personal-Care/Literature.

A myLubrizol account is required for access.

MANUFACTURING LOCATION(S), STORAGE AND HANDLING

Recommended Retest Period

Recommended retest period is 730 days from the date of manufacture.

Storage and Handling

Store in a dry, well-ventilated place. Keep containers closed when not in use. Consult the Safety Data Sheet (SDS) for additional pertinent information.

REGULATORY STATUS

Carbopol® Ultrez 30 polymer is widely registered on chemical inventories across the globe. For specific status, please consult the most recent Safety Data Sheet or contact your local Lubrizol representative.

TOXICOLOGY/MICROBIOLOGICAL STUDIES

For information regarding toxicology and microbial data, please consult the SDS, contact your local Lubrizol representative or view at www.lubrizol.com

TSE/GMO CERTIFICATE

For a copy of this product's TSE/GMO Certification, please contact your local Lubrizol representative or request a copy through

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