

# DR. J. PHARMACHEM PVT. LTD.

CIN : U2429PN215PTC155488

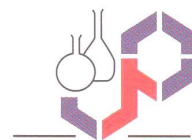
Regd Office: 722/AB/15, "Nirmal", Laxmi Park Colony, Navi Peth, Pune-411 030. India.

Telephone: +91 (20) 24530071 / 24530110

Email: sales@jpharmachem.com, Web: www.jpharmachem.com

Works Address : P 21, G Block, Ajantha Nagar, MIDC Akurdi, Pune-411035, India.

GSTIN : 27AAFCD3798J1Z4



**DR. J. PHARMACHEM PVT. LTD.**  
(ISO 9001-2015 Company)

<b>AO1425WL</b>	<b>Technical Datasheet</b>
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**Product Information:** AO 1425+Polyethylene Wax is a combination of Antioxidant 1425 & Polyethylene Wax (ratio 1:1)

Chemical Name	CALCIUM BIS(MONOETHYL(3,5-DI-TERT-BUTYL-4-HYDROXYBENZYL)PHOSPHONATE): 1:1 WITH POLYETHYLENE WAX	
Grade Name	AO1425WL	
CAS No.	65140-91-2 (AO1425) : 9002-88-4 ( POLYETHYLENE WAX)	
EINECS No.	65140-91-2	
Molecular Formula	C34H56O8P2Ca	
Synonyms	<ul style="list-style-type: none"><li>• ANTIOXIDANT 1425WL</li><li>• 3,5-DI-TERT-BUTYL-4-HYDROXYBENZYL PHOSPHONIC ACID,ETHYL ESTER : POLYETHYLENE WAX</li><li>• IRGANOX 1425 WL</li></ul>	
<b>TEST</b>	<b>SPECIFICATION</b>	<b>METHOD</b>
Appearance	Form: Powder Colour: White to off white	Visual
Purity as (AO 1425)	> 98 %	By HPLC (Wavelength: 280 nm)
Volatile Content	< 0.5 %	Oven drying
Calcium Content	> 5.5 %	Spectrophotometer
Particle Size	D50: <5 µm D90: < 10 µm	Particle size analyzer
Transmittance at 425 nm at 500 nm (1% Solution in methanol)	> 85 % 90 % Min.	Colorimetric Spectrophotometer
Dust Explosion Class	Kst-value 200 up to 300 bar m s-1) (St 2)	2
Formation of Flammable Gases	Start Temperature	200 Degrees C
Content	AO 1425 : 50% Wax : 50%	Spectrophotometer

### Product Applications:

1. It is used as an antioxidant in a polyethylene wax carrier for polypropylene fibers.
2. It is also used in polyesters, cross linking elastomers, specialty adhesives, natural and synthetic resins.
3. It is also an effective esterification catalyst that is particularly useful in the production of rosin esters and in the solid-state polymerization of PET and other thermoplastic polyesters.

### Product Benefits:

1. It offers good processing stability.
2. It provides very high extraction resistance and extreme low volatility.

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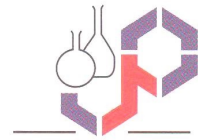
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3. It possesses good gas fading resistance.

## Product Handling & safety:

Please refer to our product MSDS for specific instructions on handling this product.

**Product Registration:** It is approved for use in food contact polymer as per the following chapter headings.

Title: 21 - Food And Drugs

Chapter: I - Food And Drug Administration, Department Of Health And Human Services (Continued)

Subchapter: B - Food For Human Consumption (Continued)

Part: 178- Indirect Food Additives: Adjuvant, Production Aids, And Sanitizers

Subpart: C- Antioxidants And Stabilizers

Section: 178.2010- Antioxidants And/Or Stabilizers For Polymers.

## Product Disclaimer

**Important :** This statement supersedes any Buyers documents. Seller makes no representation, Warranty, Express or Implied, Including of Merchantability of Fitness for a particular use, or purpose.

No statement herein is to be construed as inducements to infringe any relevant patent. Under no circumstances shall Seller be liable for incidental, consequential or indirect damages for alleged negligence breach of warranty, strict liability, and tort or contact rising in connectoin with product(s). Buyers sole remedy and Sellers sole Liability for any claims shall be buyers purchase price. Data and results are based on controlled or lab work and must be confirmed by the buyer by testing for its indented conditions of use.

This product is not been tested for, and is therefore not recommended for, use for which prolonged contact with mucous membranes, abraded skin, or blood is intended, or fur use for which implantation within human body is intended.