



# PRODUCT SPECIFICATION

## ZHENJIANG UNION CHEMICAL INDUSTRY CO.LTD

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PRODUCT Di-Octyl Adipate ( DOA )  
MOLECULAR FORMULA  $C_8H_{17}OOC(CH_2)_4COOC_8H_{17}$

DOA is a clear, colorless, and odourless liquid. It is soluble in most organic solvents. DOA is mainly used in combination with phthalate plasticizers for PVC processing. It imparts an excellent low-temperature flexibility. According to 21CFR 175 and 177, DOA is approved by FDA to make food contact products.

### SPECIFICATIONS

Color (APHA)	25	Max.
Acid Value (KOH-mg/g)	0.05	Max.
Water Content (Wt%)	0.05	Max.
Volume Resistivity ( $\Omega$ -cm, 30°C)	$2.0 \times 10^{11}$	Min.
Specific Gravity (20/20°C)	$0.927 \pm 0.003$	
Refractive Index (25°C)	$1.446 \pm 0.003$	
Ester Content (Wt%)	99.6	Min.
Heating Loss (Wt%, 125°C ×3hrs)	0.2	Max.

### PHYSICAL PROPERTIES

Molecular Weight	370.6
Boiling Point (760 mm Hg)	335°C
Viscosity (37.8°C)	8.2 cps
Flash Point	191°C
Freezing Point	-65°C

### PACKING

Bulk Shipment or 190 kg Metal Drums.