



## Technical Data

### ACRITAMER 504E INCI Nomenclature (formerly CTFA) . . . Carbomer

**Definition:** Carbomer is a homopolymer of acrylic acid cross linked with an allyl ether of pentaerythritol, an allyl ether of sucrose, or an allyl ether of propylene.

**Description:** ACRITAMER 504E is a polyvinyl carboxy polymer used as a viscosity enhancer or gelling agent. ACRITAMER 504E is a homopolymer and is cross linked with sucrose ethers and is used primarily in systems where sparkling clarity is not essential.

#### General Data:

Physical form @ 25°C	Fine, white powder
CAS No.	9003-01-4
TSCA No.	9003-01-4
EINECS No.	Exempt

<u>TEST</u>	<u>SPECIFICATION</u>	<u>METHOD</u>
pH of 0.5% Solution @ 25°C	2.7 to 3.3	CTFA C 1-2
Viscosity (cps) of Neutralized Solution at 25°C (Brookfield RVF @ 20 rpm)		CTFA C 1-2
0.2% Solution	2000 to 5450	use spindle #4)
0.5% Solution	26,500 to 39,500	
Carbon	47.0 to 50.8%	CTFA E 18-1
Hydrogen	5.0 to 6.2%	CTFA E 18-1
Equivalent Weight	69 to 78	CTFA D 1-1
Loss on Drying	2.0% maximum	CTFA E 34-1 (Dry for 3 hrs @ 105°C)

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