

SPECIFICATIONS



Product Code: 13002

Updated: 06/05/02

ACRITAMER 941 INCI Name: Carbomer

DEFINITION: Carbomer is a homopolymer of acrylic acid crosslinked with an allyl ether of pentaerythritol, an allyl ether of sucrose, or an allyl ether of propylene.

DESCRIPTION: ACRITAMER 941 is a polyvinyl carboxy polymer used as a viscosity enhancer or gelling agent. ACRITAMER 941 is crosslinked with ethers of pentaerythritol and is used primarily in systems where ionic strength interferes with proper gelation.

GENERAL DATA:

Physical form @ 25°C	Fine, white powder
CAS No.	9003-01-4, 9007-16-3, 9007-17-4, 9062-04-8, 76050-42-5
TSCA No.	9003-01-4
EINECS No.	Exempt

TEST	SPECIFICATION	METHOD
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	2500 to 6400	(use spindle #4)
0.5% Solution	5400 to 11,400	(use spindle #5)
Carbon	47.0 to 50.8%	CTFA E 18-1
Hydrogen	5.0 to 6.2%	CTFA E 18-1
Equivalent Weight	69-78	CTFA D 1-1
Loss on Drying (Dry for 1 hr @ 80°C in vacuum)	2.0% maximum	CTFA E 34-1

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