

PRODUCT SPECIFICATIONS

Product: UP-611

INCI Name: HDI/Trimethylol Hexyllactone Crosspolymer (And) Methyl Methacrylate Crosspolymer

| <u>Test ID</u> | <u>Test Name</u> | <u>Specification</u> | | | <u>Test Method</u> |
|----------------|-----------------------------------|--|----------|--------------------------|----------------------------------|
| | | <u>Min</u> | <u>/</u> | <u>Max</u> / <u>Text</u> | |
| 001A | Appearance | White to Pale Yellow Powder | | | Visual |
| 002A | Odor | Odorless to Faint Odor | | | Organoleptic |
| 010A2 | Loss on Drying, % | 0 | | 1.5 | 2 hrs @ 110° C |
| 012B | Microbiology | <100cfu/g Total Bacteria. Mold, and Yeast; No Pathogens. | | | Current USP Microbial Limit Test |
| 021E1 | Residual Methyl Methacrylate, ppm | 30 ppm Max | | | GC-MS |
| 021F1 | Residual HDI, ppm | 10 ppm Max | | | GC-MS |
| 024C1 | Average Particle Size, µm | 8 | | 12 | Laser Diffraction |
| 025E | pH 5% Aq. Solution | 5.5 | | 7.5 | pH meter |
| 027F | Arsenic, ppm | 0 | | 2 | AAS |
| 029H | Lead, ppm | 0 | | 10 | AAS |
| 110A | Toluene, ppm | < 20 ppm | | | Headspace GC |
| 996A | * Notes on Storage | Store under dry conditions and keep containers closed. | | | |
| 998A | * Note | | | | |