

|                   |   |
|-------------------|---|
| Item Number       | HY112   |
| Item              | Hydroxyethyl Cellulose, 100 cP, NF                |
| CAS Number        | 9004-62-0   |
| Molecular Formula |   |
| Molecular Weight  |   |
| MDL Number        |   |
| Synonyms          | Cellulose 2-Hydroxyethyl Ether ; Hyetellose ; HEC |

| Test                                      | Specification              |         |
|---|----------------------------|---------|
|   | Min                        | Max     |
| APPEARANCE                                |                            |         |
| ASSAY (HYDROXYETHOXY GROUPS, DRIED BASIS) | 30.0                       | 70.0 %  |
| VISCOSITY OF A 5% AQUEOUS SOLUTION        | 50                         | 150 cP  |
| pH OF A 1 % SOLUTION @ 25°C               | 5.5                        | 8.5     |
| LOSS ON DRYING                            |                            | 10.0 %  |
| CHLORIDES                                 |                            | 1.0 %   |
| NITRATES (DRIED BASIS)                    |                            | 3.0 %   |
| ALDEHYDES (as GLYOXAL)                    |                            | 20 ppm  |
| RESIDUE ON IGNITION                       |                            | 4.0 %   |
| LEAD (Pb)                                 |                            | 10 µg/g |
| ELEMENTAL IMPURITIES:                     |                            |         |
| ARSENIC (As)                              | AS REPORTED                |         |
| MERCURY (Hg)                              | AS REPORTED                |         |
| COPPER (Cu)                               | AS REPORTED                |         |
| IDENTIFICATION (A) FTIR                   | SPECTRUM MATCHES REFERENCE |         |
| IDENTIFICATION (B)                        | THE SOLUTION REMAINS CLEAR |         |
| RETEST DATE                               |                            |         |
| DATE OF MANUFACTURE                       |                            |         |
| MONOGRAPH EDITION                         |                            |         |
| RESIDUAL SOLVENTS                         | AS REPORTED                |         |

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