



### SPECIFICATION SHEET

|                |   |  |
|----------------|---|--|
| Product Name   | : | Isooctane, for analysis ACS, Reag. Ph Eur. |
| Product Number | : | 936.036                                    |
| Brand          | : | ISOLAB                                     |
| CAS Number     | : | 540-84-1                                   |
| Formula        | : | C <sub>8</sub> H <sub>18</sub>             |
| Formula Weight | : | 114.23 g/mol                               |

| TEST NAME                       | SPECIFICATION  | UNIT  |
|---------------------------------|----------------|-------|
| Purity (GC)                     | ≥ 99.5 %       | %     |
| Identity (IR)                   | passes test    |       |
| Colour                          | ≤ 10 Hazen     | Hazen |
| Acidity                         | ≤ 0.0003 meq/g | meq/g |
| Refractive index (n 20/D)       | 1.391 - 1.393  |       |
| Boiling range (98-100°C)        | ≥ 95 % (v/v)   | %     |
| Sulfur compounds (as S)         | ≤ 0.005 %      | %     |
| Readily carbonizable substances | passes test    |       |
| Transmission (250nm - 420nm)    | ≥ 98 %         | %     |
| Al (Aluminium)                  | ≤ 0.00005 %    | %     |
| B (Boron)                       | ≤ 0.000002 %   | %     |
| Ba (Barium)                     | ≤ 0.00001 %    | %     |
| Ca (Calcium)                    | ≤ 0.00005 %    | %     |
| Cd (Cadmium)                    | ≤ 0.000005 %   | %     |
| Co (Cobalt)                     | ≤ 0.000002 %   | %     |
| Cr (Chromium)                   | ≤ 0.000002 %   | %     |
| Cu (Copper)                     | ≤ 0.000002 %   | %     |
| Fe (Iron)                       | ≤ 0.00001 %    | %     |
| Mg (Magnesium)                  | ≤ 0.00001 %    | %     |
| Mn (Manganese)                  | ≤ 0.000002 %   | %     |
| Ni (Nickel)                     | ≤ 0.000002 %   | %     |
| Pb (Lead)                       | ≤ 0.00001 %    | %     |
| Sn (Tin)                        | ≤ 0.00001 %    | %     |
| Zn (Zinc)                       | ≤ 0.00001 %    | %     |
| Evaporation residue             | ≤ 0.001 %      | %     |
| Water                           | ≤ 0.01%        | %     |

Quality Management  
Isolab Laborgerate GmbH

