

**ANALYSIS CERTIFICATE**

**CODE:** 651008

**BATCH:** 0001224626

**PRODUCT:** Acetic Acid glacial (USP, BP, Ph. Eur.) pure, pharma grade

**ISSUE DATE:** 25/09/2017

**RETEST DATE:** 09/2023

| SPECIFICATIONS                        | GUARANTEE VALUE             | ACTUAL VALUE           |
|---------------------------------------|-----------------------------|------------------------|
| Assay (Acidim.)                       | 99,5-100,5%                 | 99,9%                  |
| Identity according to Pharmacopoeias: | passes test                 | Passes test            |
| Density 20/4                          | 1,048-1,050                 | 1,050                  |
| Freezing point                        | $\geq 15,6^{\circ}\text{C}$ | $16,0^{\circ}\text{C}$ |
| Maximum limit of impurities           |                             |                        |
| Appearance of the substance           | passes test                 | Passes test            |
| Insoluble matter in H <sub>2</sub> O  | passes test                 | Passes test            |
| Non-volatile matter                   | 0,005 %                     | 0,0001 %               |
| Reducing substances                   | passes test                 | Passes test            |
| Oxidable easibly substances           | passes test                 | Passes test            |
| Chloride (Cl)                         | 0,001%                      | <0,001%                |
| Sulphate (SO <sub>4</sub> )           | 0,001%                      | <0,001%                |
| Residual solvents (Ph.Eur/USP)        | passes test                 | Passes test            |
| Aldehydes (as CH <sub>3</sub> CHO)    | 0,05%                       | <0,05%                 |
| Heavy metals (as Pb)                  | 0,0005%                     | <0,0005%               |
| As                                    | 0,0001 %                    | <0,0001 %              |
| Cu                                    | 0,0005 %                    | <0,0005 %              |
| Fe                                    | 0,0005 %                    | <0,0005 %              |
| Ni                                    | 0,0005 %                    | <0,0005 %              |
| Pb                                    | 0,0005 %                    | <0,0005 %              |

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**P. Verge**

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