

ANALYSIS CERTIFICATE

CODE: 141007

BATCH: 0001572326

PRODUCT: Acetone (USP, BP, Ph. Eur.) pure, pharma grade

ISSUE DATE: 02/10/2018

RETEST DATE: 09/2024

| SPECIFICATIONS | GUARANTEE VALUE | ACTUAL VALUE |
|---------------------------------------|-----------------|--------------|
| Minimum assay (G.C.) | 99,5% | 99,9% |
| Identity according to Pharmacopoeias: | passes test | Passes test |
| Density 25/25 | <= 0,789 | 0,787 |
| Density 20/20 | 0,790-0,793 | 0,791 |
| Maximum limit of impurities | | |
| Appearance of solution | passes test | Passes test |
| Acidity | passes test | Passes test |
| Alkalinity | passes test | Passes test |
| Insoluble matter in H2O | passes test | Passes test |
| Non-volatile matter | 0,004 % | 0,0002 % |
| Reducing substances to KMnO4 | passes test | Passes test |
| Related substances (G.C.) | | |
| Residual solvents (Ph.Eur/USP) | passes test | Passes test |
| Methanol | 0,05 % | <0,05 % |
| 2-Propanol | 0,05 % | <0,05 % |
| Benzene | 0,0002 % | <0,0002 % |
| Other impurities | 0,05 % | <0,05 % |
| Ethanol (G.C.) | 500 ppm | <500 ppm |
| Water (H2O) | 0,3 % | 0,03 % |
| Elemental impurities (ICH Q3D): | | |
| Class 1 | | |
| Cd | 0,5 ppm | <0,5 ppm |
| Pb | 0,5 ppm | <0,5 ppm |
| As | 1,5 ppm | <1,5 ppm |
| Hg | 1,5 ppm | <1,5 ppm |
| Class 2A | | |
| Co | 5 ppm | <5 ppm |
| V | 10 ppm | <10 ppm |
| Ni | 20 ppm | <20 ppm |
| Class 2B | | |
| Tl | 0,8 ppm | <0,8 ppm |
| Au | 10 ppm | <10 ppm |
| Pd | 10 ppm | <10 ppm |
| Ir | 10 ppm | <10 ppm |
| Os | 10 ppm | <10 ppm |
| Rh | 10 ppm | <10 ppm |
| Ru | 10 ppm | <10 ppm |
| Se | 15 ppm | <15 ppm |
| Ag | 15 ppm | <15 ppm |
| Pt | 10 ppm | <10 ppm |
| Class 3 | | |
| Li | 55 ppm | <55 ppm |
| Sb | 120 ppm | <120 ppm |
| Ba | 140 ppm | <140 ppm |
| Mo | 25 ppm | <25 ppm |
| Cu | 250 ppm | <250 ppm |
| Sn | 600 ppm | <600 ppm |
| Cr | 25 ppm | <25 ppm |

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