



TKB TRADING, LLC
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Certificate of Analysis (Representative Sample Certificate)

Certificate of Analysis according to DIN 55350-18-4.2.2

Product Name HP1 Z-COTE
 Lot/SN Not available (data may vary slightly with different lots or batches)
 Manufacture Date Not available
 Lot Expiration Date Not available

| Characteristic/Method | UOM | Result | Specification |
|---|-----|--------|---------------|
| Identification A* Pass Current USP Test method USP | | PASS | |
| Identification B* Pass current USP Test method USP | | PASS | |
| CARBONATE & COLOR*Pass current USP Test method USP | | PASS | |
| ALKALINITY* -Pass Current USP Test method USP | | PASS | |
| Iron & Other Heavy Metals*- Pass : USP Test method USP | | PASS | |
| Loss on Ignition * Test method USP | % | 0.47 | <=1.00 |
| As*-USP method: spec max 6 Test method USP | ppm | < 6 | |
| PB* - Pass Current USP Test method USP | | PASS | |
| PB* -Test method ICP-OES ICP-OES | ppm | 8.5 | <=10.0 |
| Assay*- USP method Test method USP | % | 99.9 | 99.0-100.5 |
| Cd*-Test method ICP-OES ICP-OES | ppm | 2.6 | <=10.0 |
| LOSS ON DRYING (as coated)int ernal | % | 0.7 | <=1.0 |
| Loss on Ignition(as coated)int ernal | % | 1.5 | <=2.0 |
| Residual Solvents- Ethanol: | ppm | 2261 | <=5000 |

The aforementioned data shall constitute the agreed contractual quality of the product at the time of passing of risk. The data are controlled at regular intervals as part of our quality assurance program. Neither these data nor the properties of product specimens shall imply any legally binding guarantee of certain properties or of fitness for a specific purpose. No liability of ours can be derived therefrom.