

平成24年度経済産業省委託事業

「火薬類の安定的な貯蔵・運搬に係る調査研究」成果物

Date Feb 12 2014

Operator H.F.

Equipment ALMEGA (Thermo Fisher SCIENTIFIC)

Laser 532 nm, 25 mW (100%)

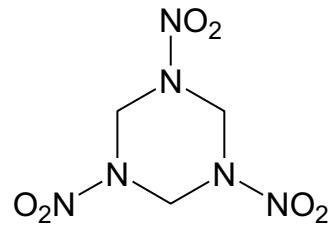
Resolution 6.5 – 10.5 cm⁻¹

Sample solid (clay)

Method micro (x50)

mineral oil $(\text{CH}_2)_8(\text{COOCH}_2\text{CH}(\text{C}_2\text{H}_5)\text{C}_4\text{H}_9)_2$

polyisobutylene or

 $(\text{CH}_2)_4(\text{COOC}_8\text{H}_{17})_2$ $\text{NO}_2(\text{CH}_3)_2\text{CC}(\text{CH}_3)_2\text{NO}_2$ 

Peak position and Raman intensity

| | | | | | |
|------|-----|------|-----|--|--|
| 144 | 67 | 2911 | 177 | | |
| 225 | 53 | 2953 | 306 | | |
| 344 | 28 | 3007 | 226 | | |
| 461 | 41 | 3071 | 237 | | |
| 605 | 39 | 3079 | 238 | | |
| 849 | 68 | | | | |
| 885 | 146 | | | | |
| 946 | 57 | | | | |
| 1218 | 86 | | | | |
| 1277 | 104 | | | | |
| 1312 | 144 | | | | |
| 1392 | 81 | | | | |
| 1437 | 93 | | | | |
| 1460 | 83 | | | | |
| 1542 | 87 | | | | |
| 1596 | 103 | | | | |