

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

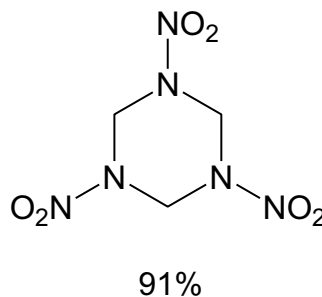
Date Feb 12 2014  
 Operator T.S.  
 Equipment Spectrum GX (Perkin Elmer)  
 Resolutoin 4.00 cm-1  
 Sample solid (clay)  
 Method KBr

mineral oil  
 1.5%  $(\text{CH}_2)_8(\text{COOCH}_2\text{CH}(\text{C}_2\text{H}_5)\text{C}_4\text{H}_9)_2$

or

polyisobutylene  
 2.1%  $(\text{CH}_2)_4(\text{COOC}_8\text{H}_{17})_2$

$\text{NO}_2(\text{CH}_3)_2\text{CC}(\text{CH}_3)_2\text{NO}_2$   
 0.1% 5.3%



Peak position and Transmittance

|        |      |        |      |  |  |
|--------|------|--------|------|--|--|
| 409.1  | 64.5 | 1352.0 | 52.6 |  |  |
| 458.6  | 62.4 | 1390.6 | 47.2 |  |  |
| 483.9  | 66.9 | 1423.9 | 52.6 |  |  |
| 588.8  | 56.5 | 1434.4 | 52.7 |  |  |
| 669.9  | 66.6 | 1460.1 | 48.9 |  |  |
| 737.4  | 58.5 | 1533.5 | 48.4 |  |  |
| 753.1  | 53.7 | 1574.3 | 45.0 |  |  |
| 782.5  | 47.5 | 1593.5 | 42.2 |  |  |
| 843.2  | 55.0 | 1739.1 | 61.1 |  |  |
| 881.5  | 51.4 | 2929.8 | 62.6 |  |  |
| 924.4  | 43.3 | 3002.0 | 61.5 |  |  |
| 1039.7 | 48.4 | 3066.8 | 53.8 |  |  |
| 1218.0 | 48.6 | 3075.8 | 52.1 |  |  |
| 1233.3 | 48.2 |        |      |  |  |
| 1268.3 | 38.5 |        |      |  |  |
| 1313.2 | 50.2 |        |      |  |  |