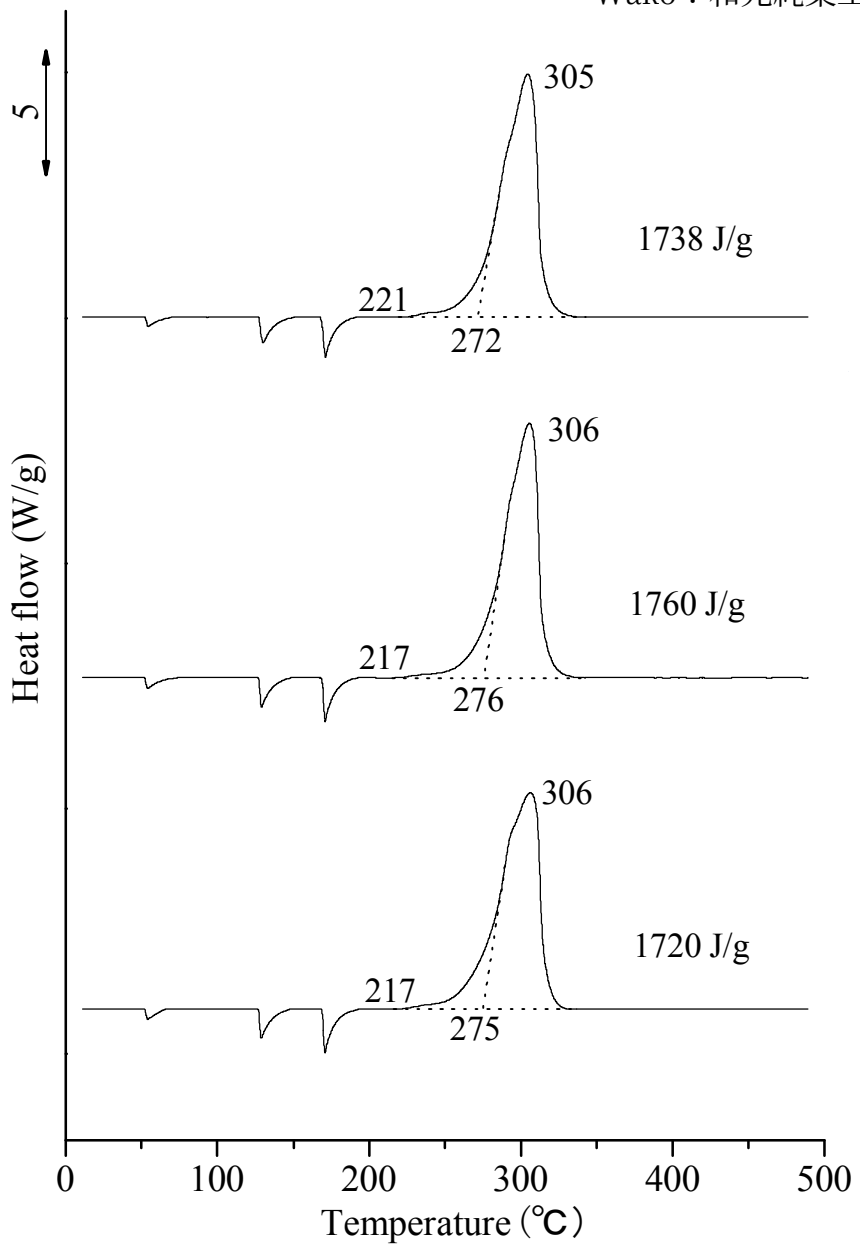
産業技術総合研究所　爆発安全研究グループ

発熱分解エネルギー測定の標準化　　熱分析結果

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

Ammonium nitrate	NH_4NO_3　(AN)
NH_4NO_3	Sample size : 1.0mg dT/dt : 10 K/min Atmosphere : Air Vesel : pressure vessel (SUS) Hitachi High-Tech Science Corporation Sample : Wako (> 99.0%)

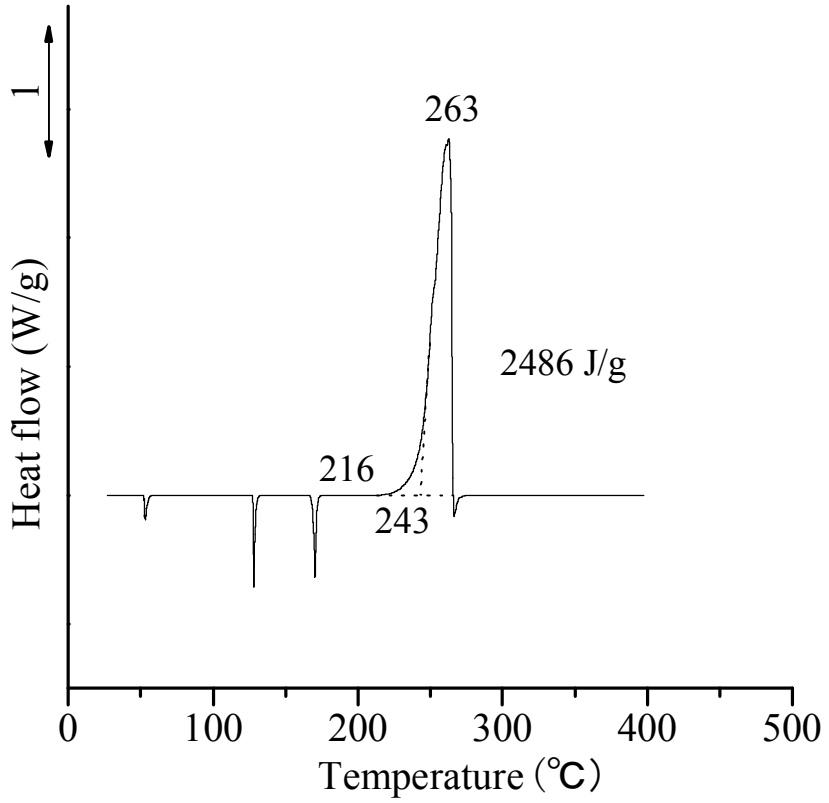
Wako：和光純薬工業株式会社



＜Average＞

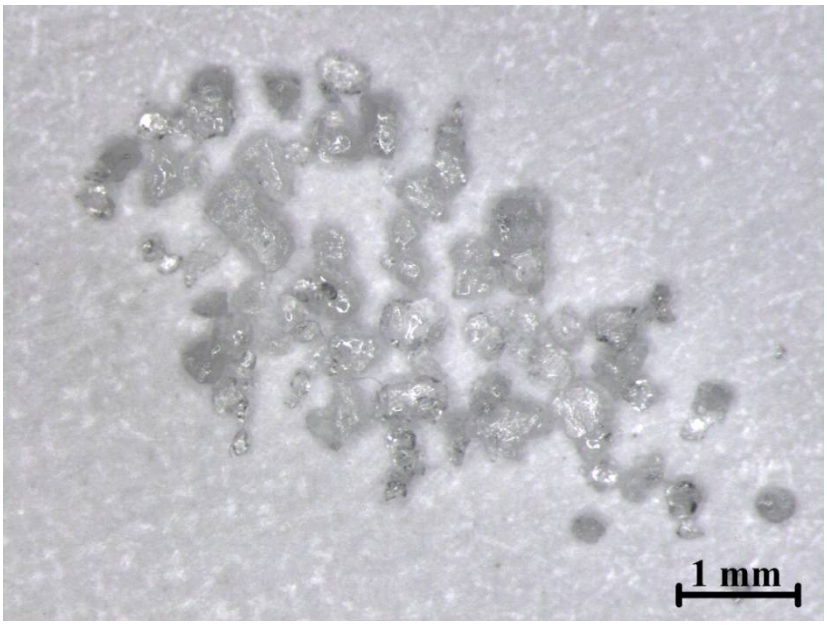
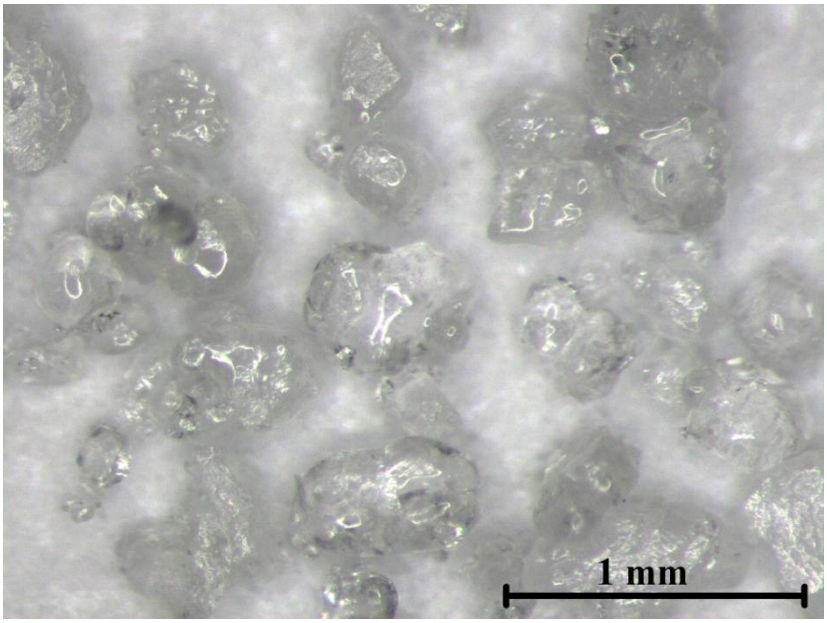
T_a :	218	℃
T_o :	274	℃
T_{top} :	306	℃
Q_{DSC} :	1739	J/g

Ammonium nitrate	NH_4NO_3 (AN)
NH_4NO_3	Sample size : 1.0mg dT/dt : 1 K/min Atmosphere : Air Vesel : pressure vessel (SUS) Hitachi High-Tech Science Corporation Sample : Wako (> 99.0%)



Ammonium nitrate

× 16.0



× 40.0