


実験報告書様式(一般利用課題・成果公開利用)

(※本報告書は英語で記述してください。ただし、産業利用課題として採択されている方は日本語で記述していただいても結構です。)

 MLF Experimental Report	提出日 Date of Report 3 May 2014
課題番号 Project No. 2013A0040 実験課題名 Title of experiment Examination of the basic condition with the analysis of cosmetics by ANNR I- fundamental sample preparation method . 実験責任者名 Name of principal investigator Etsuko Furuta 所属 Affiliation Ochanomizu University	装置責任者 Name of responsible person Dr. Harada 装置名 Name of Instrument/(BL No.) BL-04 実施日 Date of Experiment 24-25 May 2013

試料、実験方法、利用の結果得られた主なデータ、考察、結論等を、記述して下さい。(適宜、図表添付のこと)
 Please report your samples, experimental method and results, discussion and conclusions. Please add figures and tables for better explanation.

1. 試料 Name of sample(s) and chemical formula, or compositions including physical form.
Cosmetics, gold leaves and Chinese medicine

2. 実験方法及び結果 (実験がうまくいかなかった場合、その理由を記述してください。)
Experimental method and results. If you failed to conduct experiment as planned, please describe reasons.
<p>In the size of the beam (15mm×15mm), the unevenness samples are made as follows: 1. All flat in a circle or square, 2. Only the edge of circle or square, 3. Point in the center of beam size, 4. Departed point from the center, 5. Flat half size.</p> <p>First; the samples examine the unevenness influence mentioned above with high purity gold leaf.</p> <p>Second; gold leaf of low purity is put on top of one another to make a few layers of gold leaf. The influence of the thickness samples is examined as same as the first step method.</p> <p>Also the trace impurities in the samples are examined to find the influence of the unevenness of the samples.</p> <p>Third; After finish the first and second steps, some pigments, which ingredient are cadmium and other trace elements and they can be put unevenness visibly, are measured.</p>

2. 実験方法及び結果(つづき) Experimental method and results (continued)

No results were gotten because the beam stopped by the accident at Hadron Experimental Facility.