

# **JAI APPLICATION NEWS**

## **Recycle Preparative HPLC**

### **1. Applications of the Recycling GPC, 2003-2004**

**1-1. Applications of Polymer**

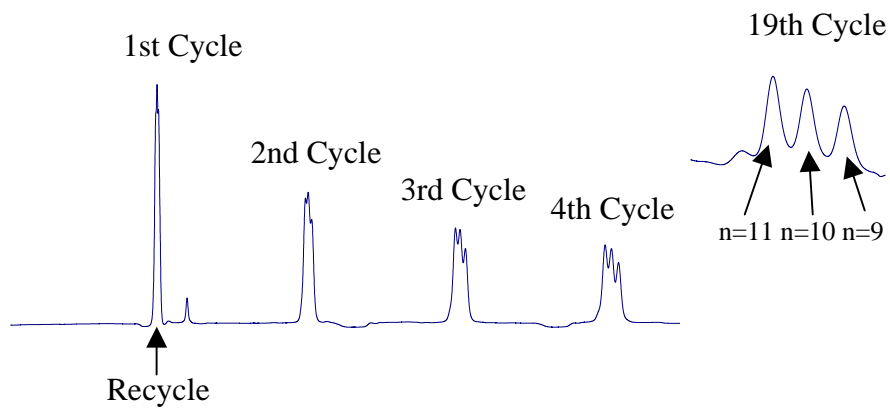
**1-2. Applications of Organic Pigment**

**1-3. Application of Fullerene**

**1-4. Applications of Organic Light Emitting Diode**

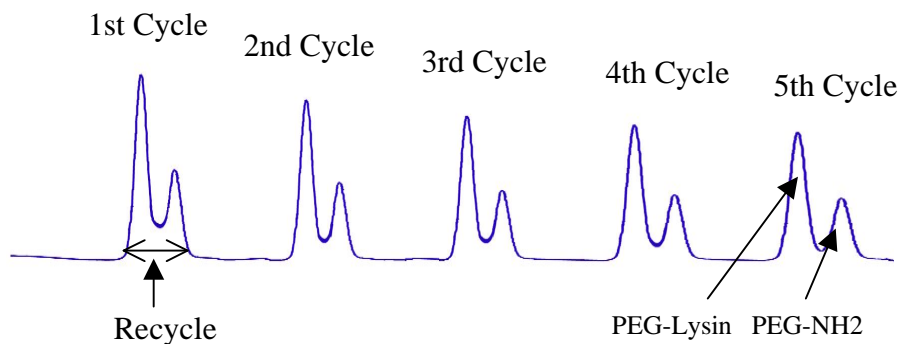
## 1-1. Applications of Polymer

### 1-1-1. Fluorine resin oligomer



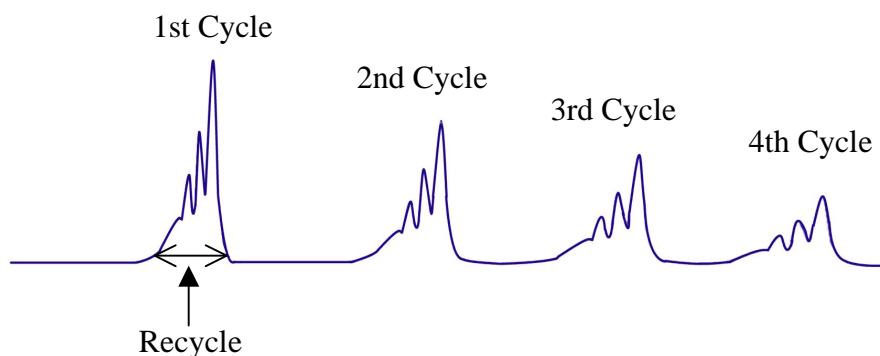
Column: JAIGEL-2H+3H  
Detector: UV-310B @ 254 nm  
Eluent: THF

### 1-1-2. PEG-Lysin and PEG-NH<sub>2</sub>



Column: JAIGEL-3H+4H  
Detector: RI-7  
Eluent: DMF

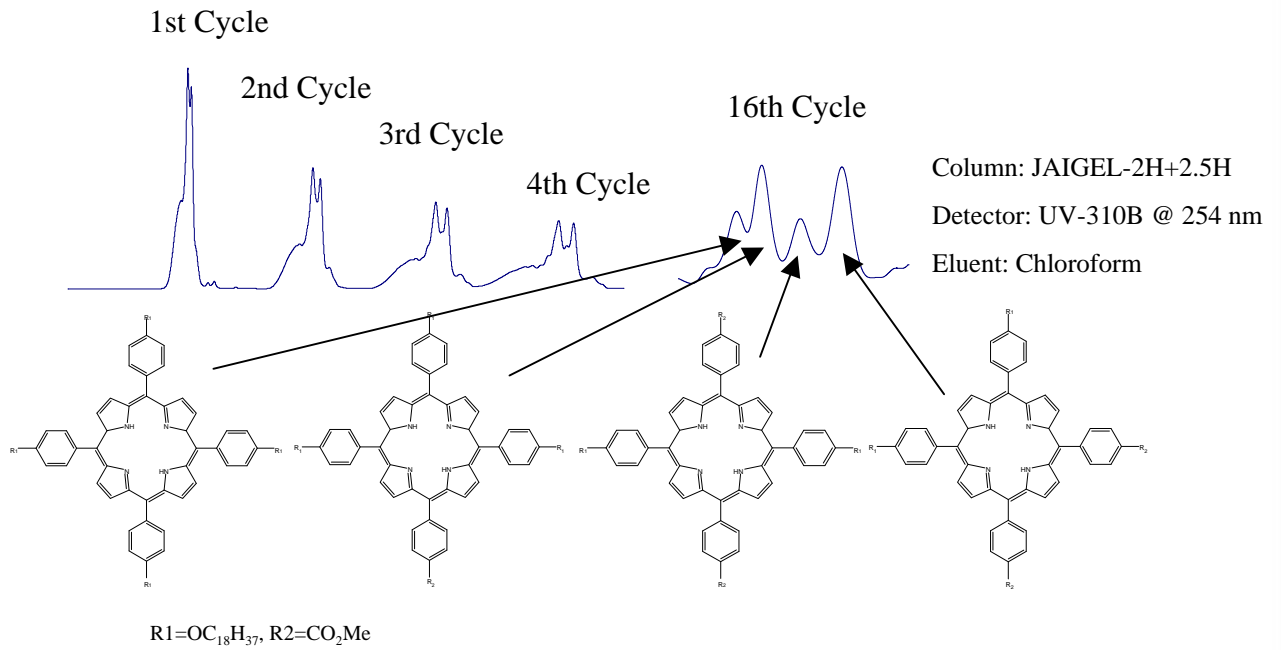
### 1-1-3. Degradation products from Poly-ester



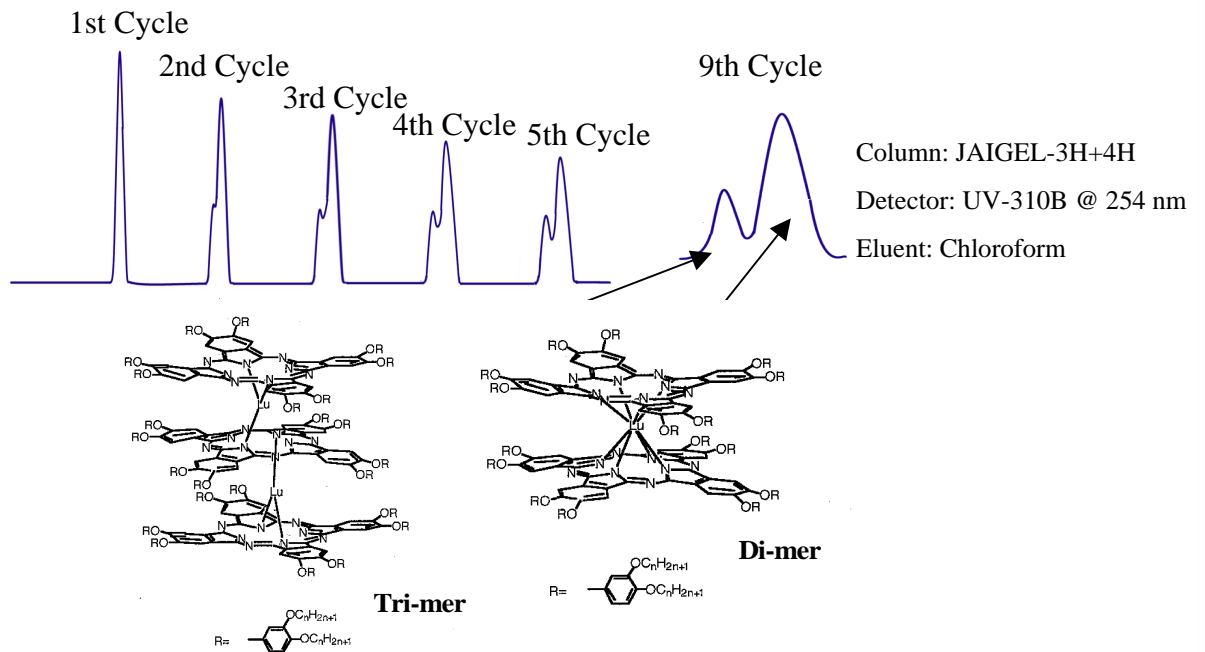
Column: JAIGEL-1H+2H  
Detector: UV-310B @ 254 nm  
Eluent: Chloroform

## 1-2. Applications of Organic Pigment

### 1-2-1. Different of end groups of Porphyrins

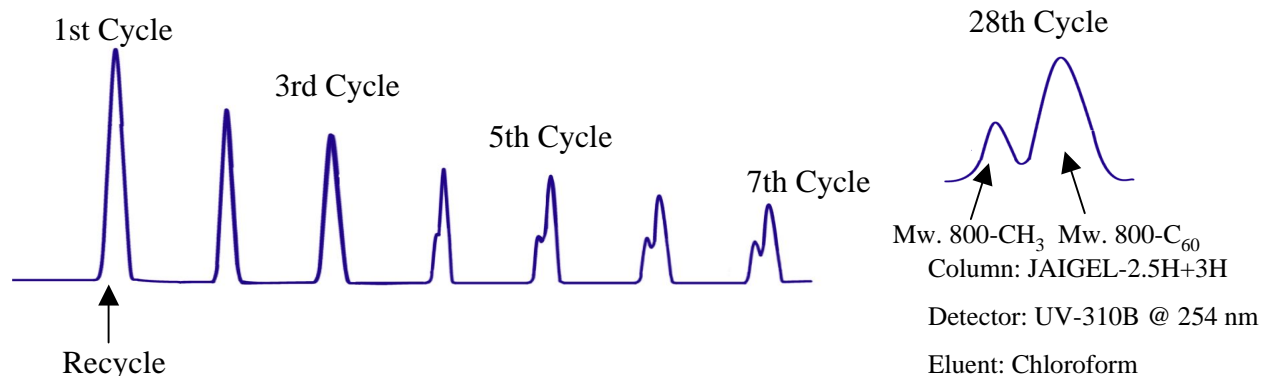


### 1-2-2. Separation of Tri-mer and Di-mer of Phthalocyanine-Lu



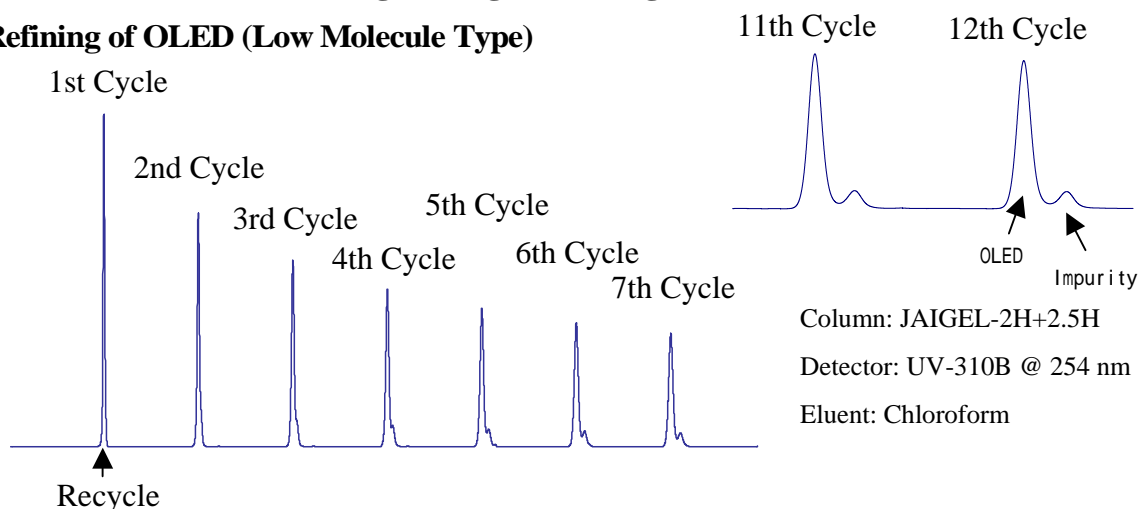
## 1-3. Application of Fullerene

### 1-3-1. Separation of Mw. 800-C<sub>60</sub> and Mw. 800-CH<sub>3</sub>



## 1-4. Applications of substances for Organic Light Emitting Diode (OLED)

### 1-4-1. Refining of OLED (Low Molecule Type)



### 1-4-2. Separation of OLED (Polymer Type)

