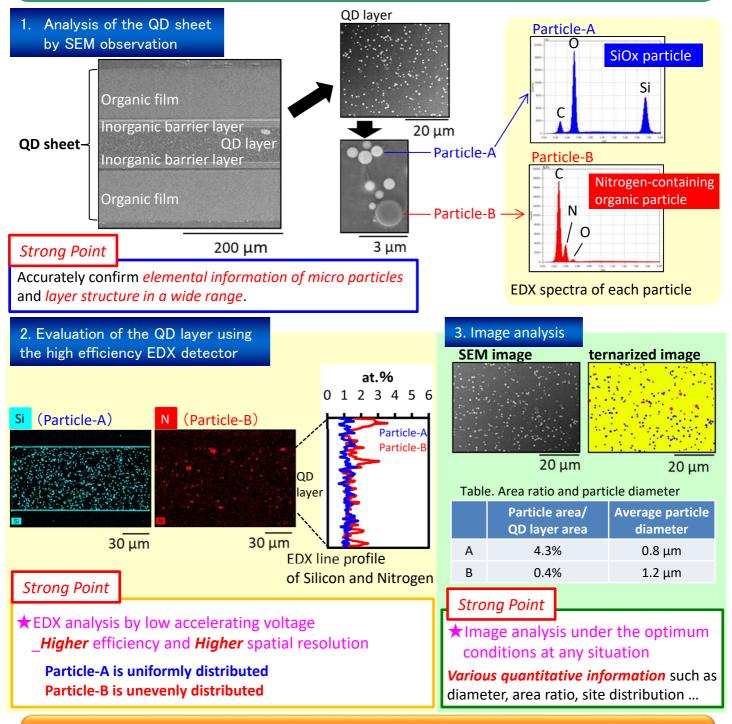
## Evaluation of the QD sheet by SEM-EDX analysis and quantitative image analysis

About QD (quantum dot) sheet used for the backlight of the liquid crystal display, we developed technique to get the layer structure and the elemental information by SEM-EDX analysis. By special cross-section processing technique and the high efficiency EDX detector, we are able to ofer the various quantitative information such as the particle diameter and the distribution.



Various Information SEM image SEM-EDX analysis

**Image analysis** 

- ⇒ Layer composition, Thickness
- ⇒ Elemental information, Distribution
  - Diameter, Area ratio, Histogram, etc.