

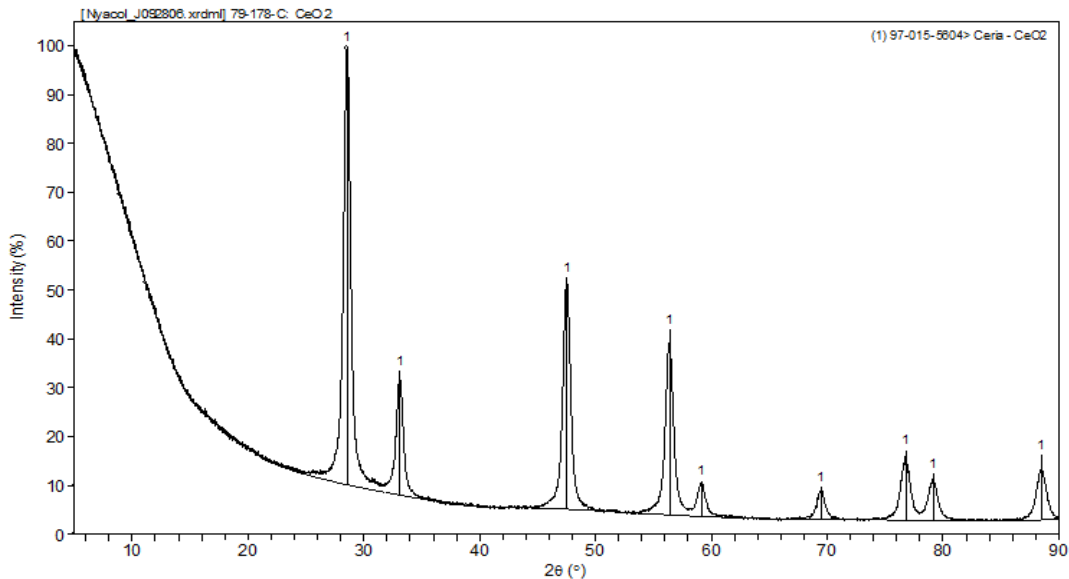
NYACOL® Ce120/10

NYACOL® Ce120/10 is a colloidal cerium oxide being offered on a developmental basis. The cerium oxide is well crystallized with a mean size of 100 – 140 nm by Malvern Zetasizer. Figure 1 shows the XRD of the product after drying. Ce120/10 can be used as an abrasive for STI and ILD CMP processes, and for precision polishing of glass, quartz, displays and glass hard disks.

TYPICAL PROPERTIES

CeO <sub>2</sub> , wt. %:	10
Particle Size, nm:	100 – 140
BET Specific Surface Area:	10 – 25 m <sup>2</sup> /g
Zeta Potential:	+40
pH:	3 – 5
Specific Gravity:	1.1
Viscosity:	<15

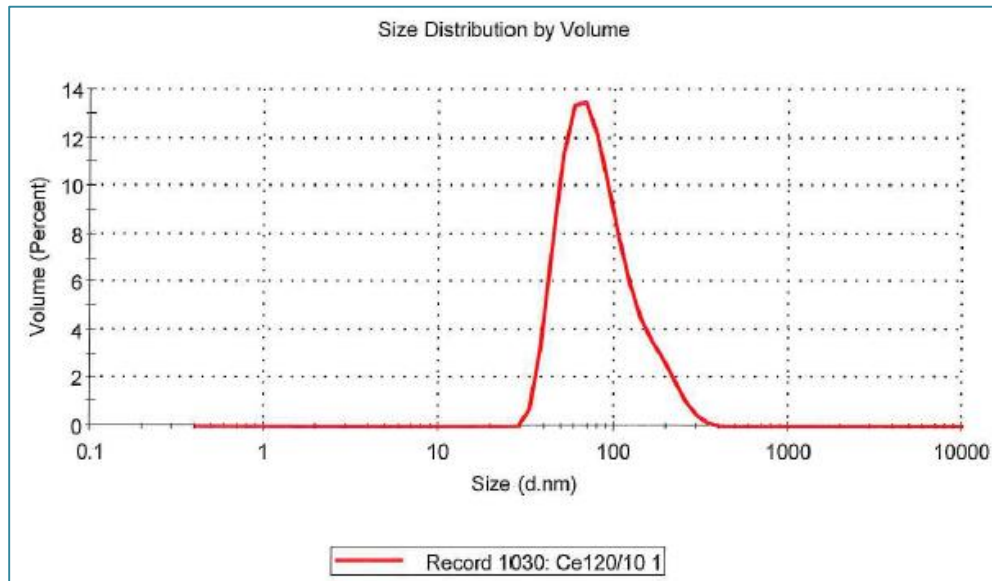
Figure 1 – XRD Analysis





Data Sheet  
NYACOL® Ce120/10

Figure 2 – Size Distribution by Volume



PACKAGING

NYACOL Ce120/10 is available in 5 or 55-gallon plastic drums. Packaging in smaller containers is available upon request.

STORAGE

NYACOL Ce120/10 should not be subjected to temperatures of 32°F or below, to avoid freezing.

SAFETY

Users should observe precautions printed on the package label. A Safety Data Sheet for this product will be supplied upon request.

FOR ADDITIONAL INFORMATION TO PLACE AN ORDER

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Information herein is accurate to the best of our knowledge. Suggestions are made without warranty or guarantee of results. Before using, user should determine the suitability of the product for the intended use and user assumes the risk and liability in connection therewith. We do not suggest violation of any existing patents or give permission to practice any patented invention without a license. 201611

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