

LCM

Products - Metals - Rare Earth Metals...

LCM manufactures a wide range of high purity rare earth metals plus yttrium and scandium. The metals are produced by reduction of suitable precursor materials followed by vacuum remelting and/or sublimation to give required purities.

Vacuum remelted (VR) products

Metals:	Y, La, Ce, Pr, Nd, Gd, Tb, Dy, Ho, Er	
Purity	Rare earth impurities	<0.1% Max.
	Non rare earth impurities (excluding Ta)	<0.05% Max.
	Tantalum	Typically 0.1 – 0.5%

Sublimed products

Metals	Sc, Pr, Nd, Sm, Gd, Tb, Dy, Ho, Er, Lu	
Standard Purity	Rare earth impurities	<0.1% Max.
	Non rare earth impurities	<0.05% Max.
High Purity	Rare earth impurities	<0.01% Max.
	Non rare earth impurities	<0.02% Max.

Form

These products are typically supplied in the form of irregular, broken or cropped ingot pieces.

Quantity

Batch sizes vary from 0.1kg up to 50kg depending on the metal and physical form.

Packaging

Packaging selection depends on the metal, physical form and batch size. Common examples are sealed glass ampoules, glass bottles and vacuum-sealed laminate packs. These protective inner packagings are commonly secured within steel drums or plastic pails before dispatch

Quality assurance

Production processes are part of our quality management system – certified to ISO9001:2000 standard. Each batch is supplied with a Certificate of Conformance detailing the results from chemical analysis.