

Del Mar Photonics

4119 Twilight Ridge, San Diego, CA 92130 tel: (858) 876-3133, (858) 630-2376

CERTIFICATE OF CONFORMITY

Certificate date: 28.07.2008

Customer	ARGONNE NATIONAL LABORATORY
Order No.	8A-08981
Modification No.	M0001
Order date	June 23, 2008
Quotation reference	Quotation 080618/1230
Description of optical component	BBO crystal, Type I, SHG
Drawing #	--
Part Number /CAT# /Stock code#	BBO_SHG_6_6_0.2_AR_800_400
Batch# or Lot#	BBO_SHG_6_6_0.2_AR_800_400
Qty in this delivery	2 pieces

I. Material	Lot	BBO crystal	B#7-14F/95
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II. Polishing parameters	Specification		Actual data
	Nominal	Tolerance	
Dimensions, mm	6 x 6	+/-0.1	6 x 6
Thickness, mm	0.2	+/-0.05	0.22
Surface accuracy, at 633 nm	Lambda/6	--	Lambda/8
Surface quality, scr-dig	10-5	--	10-5
Parallelism, arc minutes	≤ 5	--	4
Orientation: Theta=29.2 deg; Phi=90 deg	Theta=29.2 deg; Phi=90 deg	+/-0.5	Theta=29.2 deg; Phi=90 deg
Mount diameter, mm	25.4	--	25.4

III. Coating parameters	Specification		Actual data (measured/ extrapolated)
	Nominal	Tolerance	
Surface S1, S2: AR/AR coating at 800 nm and 400 nm	--	--	see reflection curve

IV. Notes
*-calculated value Edges and outer diameter are fine ground.

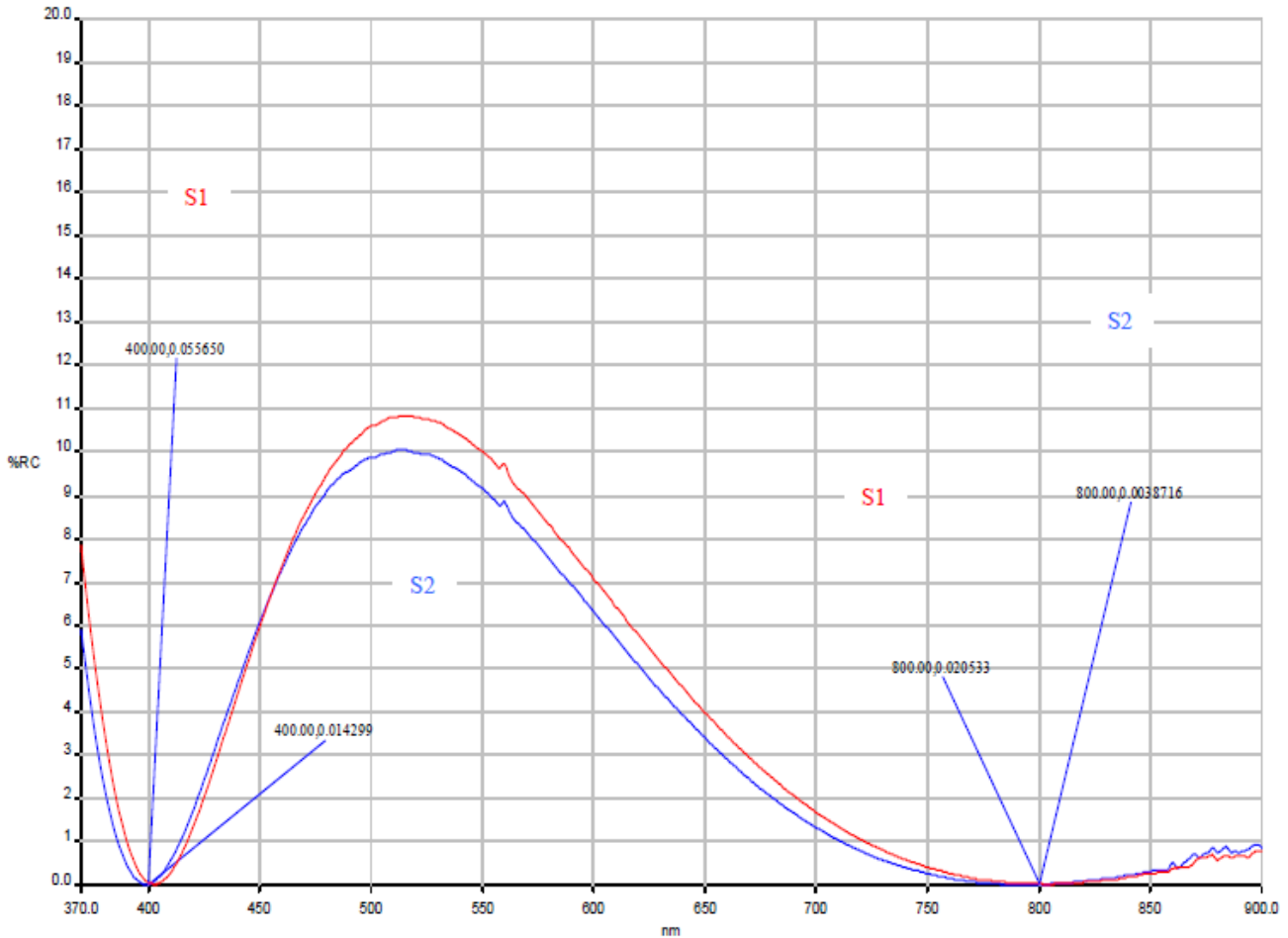


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AR/AR coating on BBO crystal at 400 nm and 800 nm



Reflection curve



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