



CORPORATION



Optical Media (CD-R) Specification

Model: 901CK50-TW-MD

Production code: 9017E3RCON016

Directive 93/44/ECC and DICOM Compliance

CE/2013/72799

Title: Optical Media (CD-R) Specification - 80 min Phthalocyanine		
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Quality Assurance Division / Ritek Corporation		

Ritek	
Prepared by: Chin-Wei Chen / Customer Quality Engineer	
Reviewed by: Mars Cheng / Section Manager IPQC Sections, QA Division Cash Huang/ Assistant Manager, IPQC Sections, QA Division	
Approved by: Hsuan Che Hsu / QA Director, Division Manager, QA Division	

1. Disc specification

1.1 Geometry / General Dimension

Item	Ritek Spec. or Ability	Remarks	Instrument
Outer Diameter of Disc	120.0±0.3 mm	Measured at 23±2□ and 50±5%RH	Micrometer
Disc Weight	16.0±1.0 g		Precision Balance
Inner Diameter	15.0+0.1,-0 mm	Measured at 23±2□ and 50±5%RH	Gauge
Shape	Cylindrical		
Clamping Area (D: diameter)	26<D<33 mm		Micrometer
Thickness	1.2+0.3,-0.1 mm		Micrometer
Thickness of Clamping Area	1.2+0.3,-0.1mm		Micrometer

1.2 Optical Requirement

Item	Ritek Spec. or Ability	Remarks	Instrument
Refractive Index of Transparent Substrate	1.55±0.1		

1.3 Mechanical Characteristic

Item	Ritek Spec. or Ability	Remarks	Instrument
Deflection, Average Over One Revolution	$\leq \pm 250 \mu\text{m}$		Dr. Schenk
Max. Angular Deviation of The Beam Incident Surface from The Reference Plane (Radial Skew)	± 0.6 degrees	With Information Area (45 mm to Max. 118 mm Diameter)	CD-CATS
Max. Angular Deviation of The Reflected Beam in The Radial Direction, from The Normal Line of The Reference Plane	± 1.6 degrees	With Information Area (45 mm to Max. 118 mm Diameter)	CD-CATS
Max. Vertical Acceleration for <500Hz	± 1 m/s*s		Dr. Schenk
Max. Eccentricity of Track Radius	< 50 μm		CD-CATS
Disc Unbalance	< 2.5g*mm		SONY Unbalance Tester
Starting Diameter of Program Area (SPD)	49.6 ~ 50.0 mm	Measured at 23 \pm 2% and 50 \pm 5%RH	CD-CATS
Max. Diameter of Program Area (MID)	< 116 mm	Measured at 23 \pm 2% and 50 \pm 5%RH	CD-CATS
Starting Diameter of Lead In Area	46.0 +0,-0.2 mm	Measured at 23 \pm 2% and 50 \pm 5%RH	CD-CATS
Track Pitch	1.49 ~ 1.70 μm	In program area and lead in/out area	CD-CATS
Scanning Velocity	1.19 ~ 1.40 m/s		CD-CATS

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1.4 Recorded Disc/Signal Characteristic

Item	Ritek Spec. or Ability	Remarks	Instrument
Eccentricity	$\leq 50\mu\text{m}$	Writing by LITE-ON_52327 48X~52x	CD-CATS
I3/Itop (I3R Avg.)	0.3~0.7		
I11/Itop (I11R Avg.)	≥ 0.60		
BLER (Avg.)	<50cps		
BLER (Max.)	<200cps		
E32tot	=0		
3T Pit (Land) Jitter	$\leq 45\text{ ns}$		
11T Pit (Land) Jitter	$\leq 45\text{ ns}$		
Ppa(Push-Pull)	0.08 ~ 0.12		
Cross Talk	<50%		
Reflectivity ($R_{\text{top avg.}}$)	$\geq 60\%$		
RN	<30		

2. Printing and Packaging specification

General SKU information:

9017E3RCON016-V02		CD-R80 52X,CON_Medical,50CK/600C,TW,115+	版本	2	Issuing Date	2015/04/09																				
		<ul style="list-style-type: none"> 1. Cake Plate 上蓋 2. spacer (墊片)*1 3. Disc*50pcs 碟片*50pcs 4. Substrates (透明蓋板) 5. Cake Holder 底座 灰色 																								
<p style="background-color: yellow;">碟片與上蓋有間隙時，需要加墊片到沒有間隙</p> <ul style="list-style-type: none"> 6. 由 PVC 膜收縮上下空 Shrink by shrink bag. 7. Sticker 貼紙 *1 貼於側面 OPP 上 		<ul style="list-style-type: none"> 8. Separator 隔板 每箱 12 Cake,共 600PCS (12 cakes per carton) 9. Carton 外箱 600pcs 10. 鍊德灰色標籤 Gray Ritek Label 側面右下 (請依 P4 context 指定印製) 加 MADE IN TAIWAN <table border="1" style="width: 100%;"> <thead> <tr> <th>CARTON SIZE (mm)</th> <th>PCS/CTN</th> <th colspan="2">N.W/G.W/CTN (kg)</th> <th>G.W/PLT (kg)</th> </tr> </thead> <tbody> <tr> <td>445*300*202</td> <td>600</td> <td>10.5</td> <td>11.1</td> <td>405.5</td> </tr> </tbody> </table> <table border="1" style="width: 100%;"> <thead> <tr> <th>PALLET SIZE (cm)</th> <th>實重棧板</th> <th>CTN per layer</th> <th>PLT layer</th> <th>CTN/PLT</th> </tr> </thead> <tbody> <tr> <td>115*95*13.5</td> <td>yellow and Blue Pallet</td> <td>7</td> <td>5</td> <td>35</td> </tr> </tbody> </table>					CARTON SIZE (mm)	PCS/CTN	N.W/G.W/CTN (kg)		G.W/PLT (kg)	445*300*202	600	10.5	11.1	405.5	PALLET SIZE (cm)	實重棧板	CTN per layer	PLT layer	CTN/PLT	115*95*13.5	yellow and Blue Pallet	7	5	35
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RITEK confidential		Approved by: 邱秀雲		Checked by: 林育輝		Prepared by: 陳文賢																				

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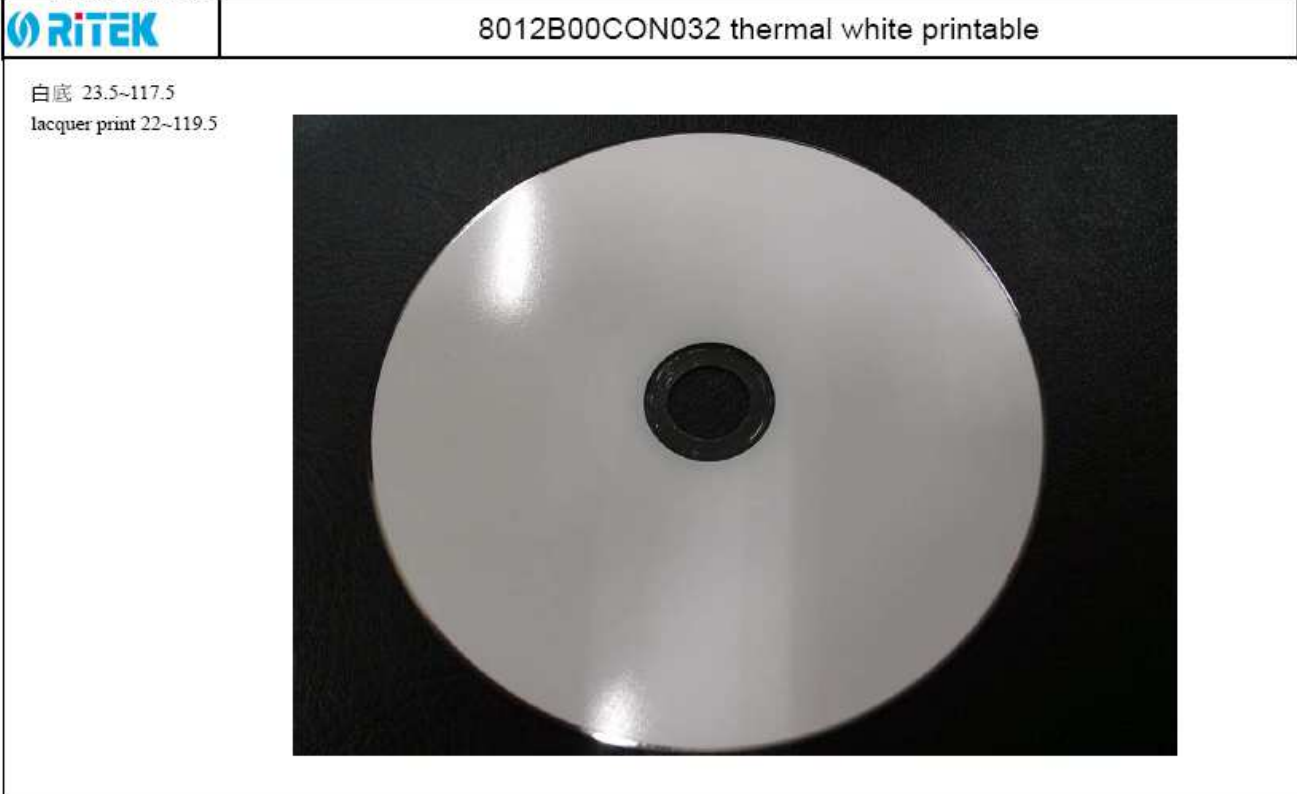
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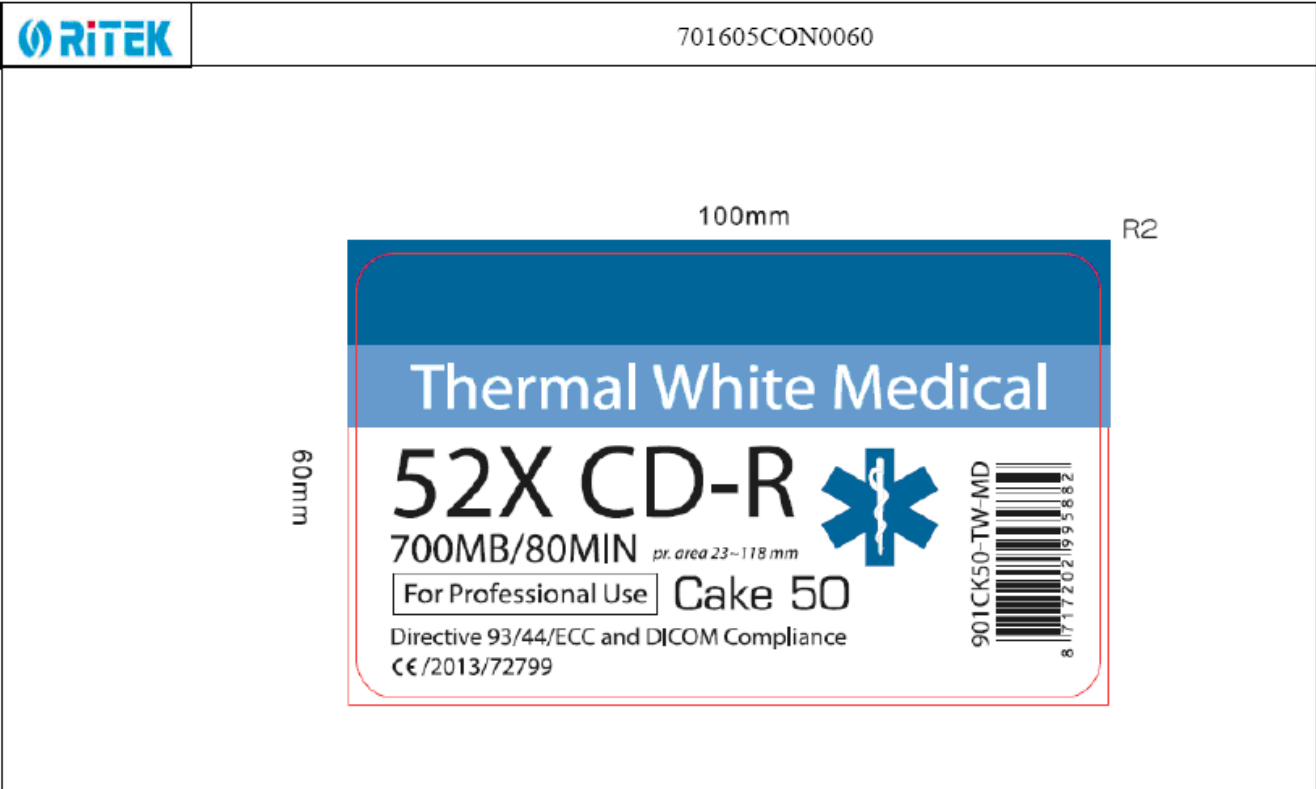
Disc printing :

9017E3RCON016-V02



Pack Label :

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Carton Box :

9017E3RCON016-V02

	7014D5CON0004										
<p>百禾紙業有限公司 紙箱式樣書 CARTON SPECIFICATION</p>											
<p>呈: 鍊德科技股份有限公司 NO. bali BH153029 DATE 2015.03.25</p>											
客戶 (Customer)	料號 (Material) 7014D5CON0004	相關配件 (Assembly)									
外徑尺寸 (Out size)	445X300X202 mm	名稱 (Name)	數量 (Qty)								
製作尺寸 (make size)	440X295X192mm	一長二短隔板	1 組								
結構 (Structure)	5 層 (layer) AB 替 (corrugated)	材料 (Material)	B								
面紙顏色 (Surface Color)	黃	印刷顏色 (Print Color)	387C 藍色								
Thermal White Medical 52X CD-R 700MB/80MIN <small>pr. 0.000 23-118 mm</small> For Professional Use Cake 50		Fragile Handle With Care Vorsichtig Handhaben Traiter Avec Precaution Manipule Con Cuidado									
BY Conrexx Technology BV											
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