

79min. CD-R Compatibility Test

CDs21 Solutions

Technical Working Group 1

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CDs 21 Solutions ソリューションズ

Objective

- Confirm the compatibility between
Writer , CD-R disc and CD-ROM drive.
- Disc : 79min. CD-R
- Writing Speed = Maximum Speed
- Period of this test; April,2000-March,2001



Participants

- Writer

JVC, Kyushu Matsushita, Matsushita Kotobuki, Mitsumi, Ricoh, Samsung, SANYO, Shinano Kenshi, SONY, TEAC, YAMAHA

- Disc

CMC, Fuji, KODAK, Maxell, Mitsubishi Chemical, Mitsui Chemicals, PVC,

Ricoh, RiTEK, SKC, Taiyo Yuden, TDK

- CD-ROM drive and DVD-ROM drive

Hitachi, Kyushu Matsushita, Matsushita Kotobuki, Mitsumi, NEC, Pioneer, Samsung,

Shinano Kenshi, TEAC, TOSHIBA, Tottori Sanyo



TEST CONDITION

- Writing Speed = Maximum speed
- CD-R disc ; 79min
- Contents ; CD-ROM data

Tr. #1 : Data

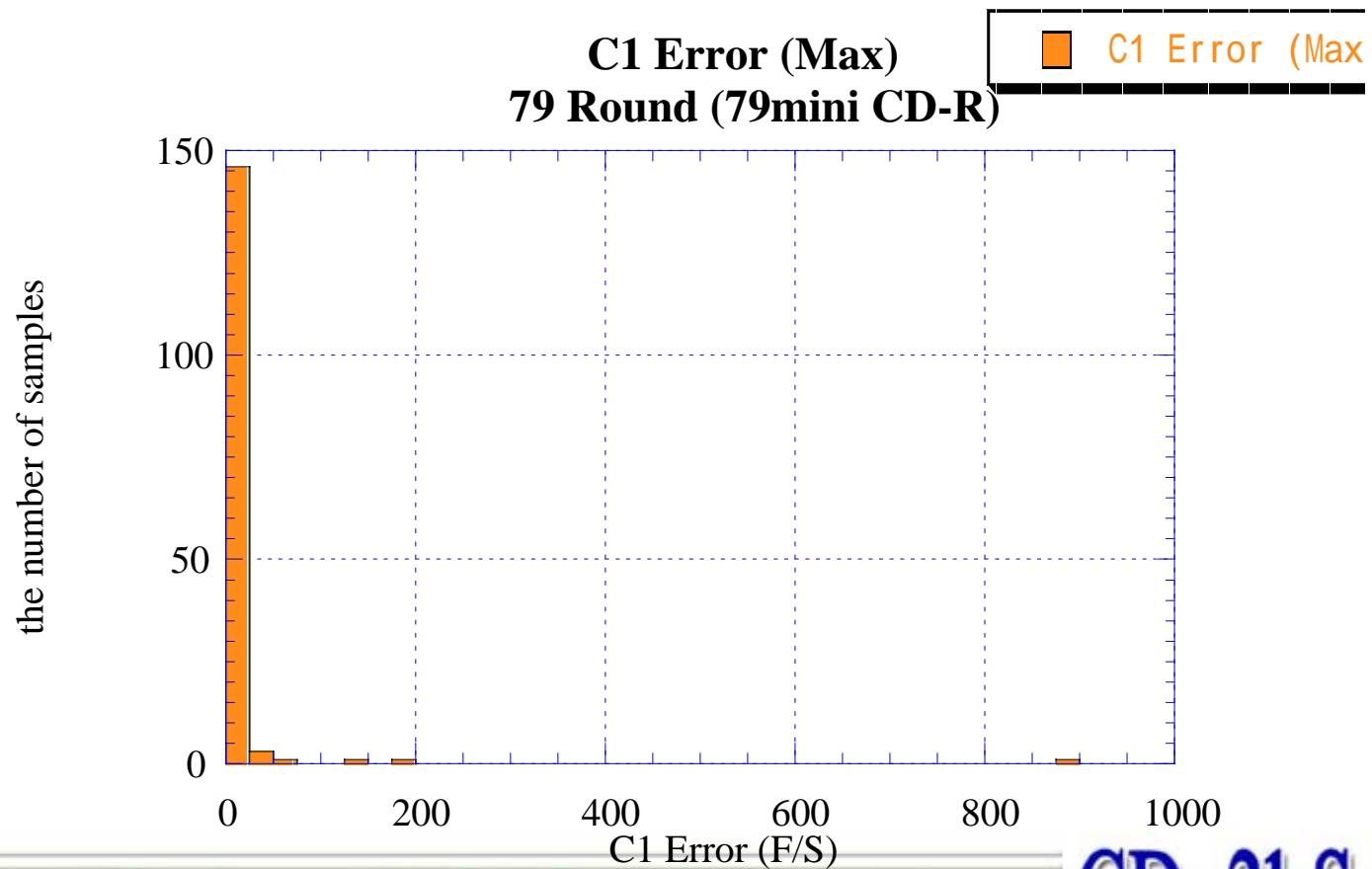


Writing Speed

Writer	Writing Speed
A	12X
B	8X
C	8X
D	8X
F	8X
G	8X
H	6X
J	4X
K	4X
M	4X
N	4X

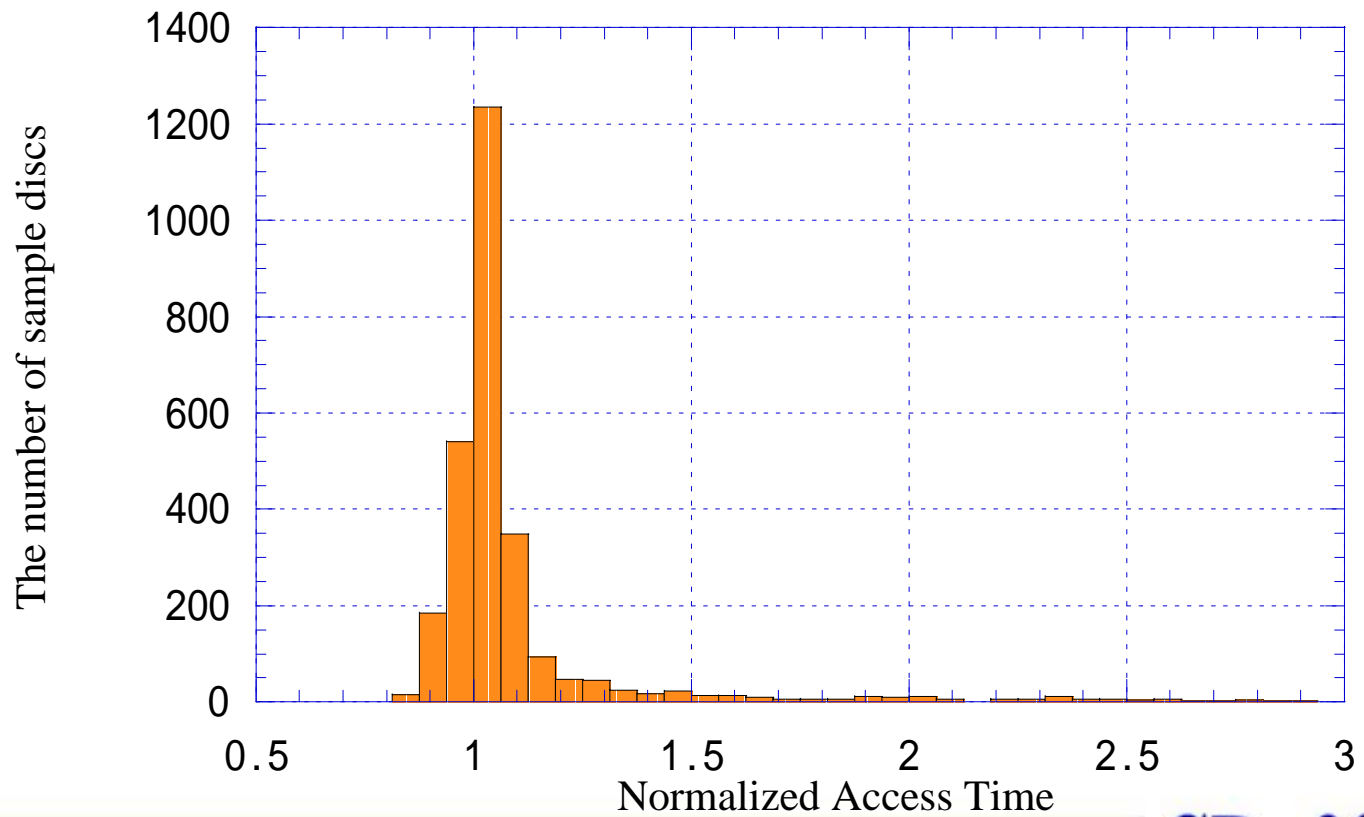


Results (1)



Results (2)

Access Time
79min disc



Results (3)

Compatibility of playback

Drive	CD-ROM				DVD-ROM			Combo
Maker	24X	32X	40X	48X	24X	32X	40x	24x
A								
B								
C								
D								
E								
F								
G								
H								
I								
J								
K								
	; Outer area of only 1 media in 168 combinations can not be read.							



CONCLUSION

- Almost all 79min CD-R discs (168 combinations) except for 1 media, written at Maximum speed are readable on 24 type drives and show low access speed and show low C1 Error rate.
- Some CD-R disc had a quality problem at the outer area. Now that disc had been improved and have no problem for playability.

