

World's first TÜV Rheinland Certified Blu-ray Disc



- Long life
- Tested for harmful substances



For details, please visit the TÜV Rheinland website.
TÜV Rheinland www.tuv.com

The TÜV Rheinland Group is an international third-party institution that provides product safety tests and certification, as well as management system certification services. Panasonic discs are the world's first Blu-ray Discs to gain certification by TÜV Rheinland.

Long Life

TÜV Rheinland performed a durability test for Panasonic Blu-ray Discs under high temperature conditions of approximately 80°C and a relative humidity of 80% for 750 hours. All the Panasonic tested samples passed unaffected.

		Results of Scanned	
		Before test	After test
Panasonic	BD-RE 25GB (2x)	OK	OK
Panasonic	BD-RE 50GB (2x)	OK	OK
Panasonic	BD-R 25GB (4x)	OK	OK
Panasonic	BD-R 50GB (4x)	OK	OK
Brand A	BD-RE 50GB (4x)	OK	Error
Brand A	BD-R 50GB (4x)	OK	Error
Brand B	BD-R 25GB (2x) (LTH type)	OK	Could not read

Test tool: I-O Data BD drive model BRD-SP-8, Software nero 9 "Disc speed"

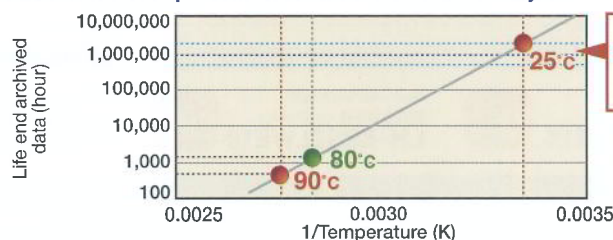
Accelerated age test by Panasonic

50 Years Archive Life

Test result shows that Panasonic Blu-ray Discs offer more than 50 years of expected archive life at a room temperature of 25°C and a relative humidity of 80%.

Estimated life span of data on Panasonic Blu-ray Disc

Test data of BD-RE 50GB (2x)



Long term storage of more than 50 years at 25°C, 80%RH

Tested for Harmful Substances

Extensive tests conducted by TÜV Rheinland showed that Panasonic's Blu-ray Discs were in compliance with the relevant directive in regard to 15 harmful substances - the so called "Substances of Very High Concern" (SVHC). The discs were also tested for six different phthalates substances and successfully passed the requirements.

Chemical substances tested

15 harmful substances (SVHC)

- Anthracene
- 4,4'- Diaminodiphenylmethane
- Dibutyl phthalate
- Cobalt dichloride
- Diarsenic pentaoxide
- Diarsenic trioxide
- Sodium dichromate
- musk xylene
- DEHP
- HBCDD
- Short Chain Chlorinated Paraffins
- TBTO
- Lead hydrogen arsenate
- Benzyl butyl phthalate
- Triethyl arsenate

6 phthalates substances

- Diethyl hexylphthalate (DEHP)
- Dibutyl phthalate (DBP)
- Benzylbutylphthalate (BBP)
- Di-n-octyl phthalate (DNOP)
- Di isononylphthalate (DINP)
- Di isodecylphthalate (DIDP)