

Radiation amount measurement result (May 2012)



24-May-2012
ROHM Co., Ltd.

Date measured	Value reported by Ministry of science (Factory location) *1		Surface of carton (from ROHM Logistec to Czech) *2				Judgment *3
	LAPIS Semiconductor, Miyagi	ROHM Tsukuba	(Tester: BNC SAM940)				
			MAX.	MIN.	B.G.	(MAX.)-(B.G.)	
01-May-2012	0.058	0.074	0.079	0.068	0.073	0.006	OK
2-May	0.058	0.073	0.082	0.072	0.069	0.013	OK
3-May	0.060	0.078	0.093	0.079	0.087	0.006	OK
4-May	0.057	0.082	0.099	0.079	0.088	0.011	OK
5-May	0.057	0.074	0.094	0.087	0.093	0.001	OK
6-May	0.057	0.074	0.091	0.073	0.089	0.002	OK
7-May	0.057	0.074	0.082	0.068	0.073	0.009	OK
8-May	0.057	0.074	0.086	0.070	0.071	0.015	OK
9-May	0.057	0.072	0.073	0.067	0.073	0.000	OK
10-May	0.057	0.073	0.083	0.070	0.069	0.014	OK
11-May	0.057	0.073	0.075	0.068	0.071	0.004	OK
12-May	0.057	0.073	0.093	0.073	0.087	0.006	OK
13-May	0.057	0.073	0.087	0.082	0.084	0.003	OK
14-May	0.057	0.073	0.078	0.069	0.077	0.001	OK
15-May	0.059	0.076	0.093	0.080	0.086	0.007	OK
16-May	0.057	0.073	0.079	0.071	0.069	0.010	OK
17-May	0.057	0.074	0.093	0.083	0.087	0.006	OK
18-May	0.060	0.087	0.079	0.069	0.077	0.002	OK
19-May	0.057	0.074	0.096	0.085	0.090	0.006	OK
20-May	0.057	0.073	0.090	0.078	0.081	0.009	OK
21-May	0.057	0.073	0.083	0.067	0.074	0.009	OK
22-May	0.056	0.081	0.089	0.073	0.087	0.002	OK
23-May	0.056	0.073	0.090	0.063	0.078	0.012	OK
24-May							
25-May							
26-May							
27-May							
28-May							
29-May							
30-May							
31-May							

[μSv/h]

*1 : According to recent changes in guidelines by the Ministry of Education, Culture, Sports, Science and Technology, maximum and minimum value measurements have been revised from 24h recording to 1h a day (9 am to 10 am) . (Effective April 6th)

*2: Sampling test is done on product using wafers manufactured at LAPIS Miyagi or ROHM Tsukuba, to be shipped from ROHM Logistic site.
Frequency: 1/day, Tester: Spectrum survey mater (BNC SAM940)

*3: O.K.: MAX - B.G.(Back ground) ≤ 0.049μSv/h
N.G.: MAX - B.G.(Back ground) > 0.049μSv/h

Regarding Criteria: 0.049μSv/h

According to source issued by AIST Japan, "Relationship of value between Large edge window type GM counter and Surface contamination, Dose equivalent rate of section 1cm away from the contamination source (I-131 evenly existing in Φ20cm, 4Bq/cm²) is considered 0.049μSv/h. Therefore, (Value, 1cm away from object) - (B.G.) ≤ 0.049μSv/h is equivalent to value less than 4Bq/cm². (Since the criteria of Cs-137 under the same condition as above is 0.068μSv/h, tighter criteria for I-131 was used for the criteria.)

Country	Japan	Germany	China	Thailand
Object	Sea container	Imported freight	Sea, imported freight	Sea, imported freight
Regulation	Less than three times B.G.	Less than 4Bq/cm ²	Less than three times B.G.	0.25-1.0μSv/h: Warning to owner 1.0 -10μSv/h: Decontamination by owner

(Reference from Ministry of Land, Infrastructure, Transport and Tourism)

B.G. (Back Ground) : Radiation dose existing in the nature at test location