HONOR INSPECTION INTERNATIONAL LTD

Inspection method and AQL

There are two methods can be used to examine products quality: whole inspection and random sampling inspection

Whole Inspection means taking examining on each product, jetting out unqualified ones so the others are all qualified. However, this method is applicable when the quantity of product is not very large. Sampling inspection is more common, we use the internationally standard tables, which called **ANSI Z1.4-2003**, to take sampling inspection (As shown below). The sampling has three levels: **Level III**, **Level II and Level I**. We usually use Level II to take sampling inspection. In addition, we use **0.010**, **1.0**, **1.5**, **2,5**, **4.0**, **6.5** as defect level(AQL). The defects can be divided into critical defect, major defect and minor defect.

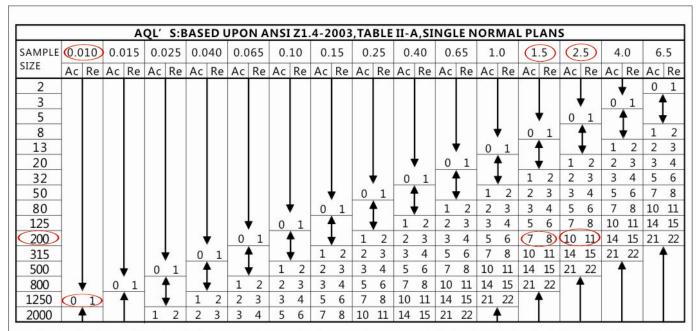
E.G.: we do inspection for 4000pcs electrical products. The sampling level is level II and the defect level(AQL)is 0.010, 1.5, 2.5. In this condition, we will randomly select 200pcs products in 4000pcs to take inspect. The critical detects will be 0, Major defects will be 7, and Minor defects will be 10



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SAMPLE SIZES:BASED UPON ANSI Z1.4-2003,TABLE I									
SHIPPING LOT SIZE			SPECIAL LEVELS				GENERAL LEVELS		
			S-1	S-2	S-3	S-4	1	(11)	III
2	to	8	2	2	2	2	2	2	3
9	to	15	2	2	2	2	2	3	5
16	to	25	2	2	3	3	3	5	8
26	to	50	2	3	3	5	5	8	13
51	to	90	3	3	5	5	5	13	20
91	to	150	3	3	5	8	8	20	32
151	to	280	3	5	8	13	13	32	50
281	to	500	3	5	8	13	20	50	80
501	to	12,00	5	5	13	20	32	80	125
1201	to	32,00	5	8	13	32	50	125	200
3201	to	10,000	5	8	20	32	80	200	315
10001	to	35,000	5	8	20	50	125	315	500
35001	to	150,000	8	13	32	80	200	500	800
150001	to	500,000	8	13	32	80	315	800	1250
500,001	and	over	8	13	50	125	500	1250	2000

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^{♦ =} Use first sampling plan below arrow. If sample size equals, or exceeds, lot or batch size, do 100 percent inspection.

Ac=Acceptance number.

Re=Rejection number.

^{↑ =} Use first sampling plan below arrow.