

Cost Analysis of production line of Aluminum Collapsible Tube

Reference target:Φ32*155mm cosmetic aluminum tube, date: Dec,2016

Item	Category	Unit Price	Amount(usd/10000tubes)	Percent	Remark
Raw material	Aluminum slug	usd2.5735/kg	257.3500	55.31%	100kg/10000tubes
	Electricity cost	usd0.103/kwh	18.5973	4.00%	65kw/h,60tube/min
	Coating	usd3.8235/kg	19.1175	4.11%	5kg/10000tubes
	Ink	usd30/kg	3.3334	0.72%	
	Internal coating	usd5.2941/kg	21.1764	4.55%	4kg/10000tubes
	Latex	usd4.2647/kg	4.2647	0.92%	1kg/10000tubes
	Plastic cap	usd0.0045/pc	45.0000	9.67%	
	Carton for packing	usd0.6/carton	21.4286	4.61%	280tubes/carton
	printing plate	usd40/pc	0.1200	0.03%	one year 20000000pcs,6colours
consumption of dies of cold squeezing machine	Body of punch	usd29.5/pc	0.1639	0.04%	changed every 500 working hours
	tip of punch, valve of tip ,connecting Bolt ,Ejector Pin	usd15/set	13.8889	2.99%	changed around every 3working hour
	Base of ring	usd18/pc	0.2084	0.04%	Changed for every 240working hours
	Carbid ring	usd150/pc	0.0750	0.02%	one year 20000000pcs
Man force	Ordinary workers	usd368/month/person	38.6400	8.31%	21workers/line,2000000tubes/month/line
	QC	usd589/month/person	0.7363	0.16%	0.25worker/line,2000000tubes/month/line
	Engineer	usd589/month/person	0.7363	0.16%	0.25worker/line,2000000tubes/month/line
	Manager	usd736/month/person	0.9200	0.20%	0.25worker/line,2000000tubes/month/line
Other cost	Asset depreciation	usd270000/line , auxiliary equipment usd30000/line , maintenance cost usd9000/line/year	19.5000	4.19%	20000000tubes/year , use 10 years
	Site rent and others	0	0.0000	0.00%	Depend on condition of every one
Total:			465.2567		

Remark:

All reference target analyzed above is φ32*155 cosmetics aluminum tube mass produced in Chinese market in Dec,2016. Only for reference, not as any certificate, and just from individual viewpoint, no legal obligation.