

Certificate of Analysis

PRODUCT NAME	CLEAR / MATT GOLD SUPR 28 GM WITH ZIPPER
--------------	--

SUBSTRATES	STD GSM	MIN GSM	SUBSTRATES
12 MIC Matt Finish PET	16.80	17.60	15.90
100 MIC EVOH PE	83.50	87.60	79.30
Total=+/- 5%(WITH INK & ADHESIVES)	100.3	105.2	95.2

REGISTRATION	OK
SHADE	AS PER STANDARD
DELAMINATION TEST	NO DELAMINATION
POUCH LENGTH	180 MM +/- 2MM
POUCH WIDTH	125 MM+/- 2MM
GUSSETS	bottom_gusset
ZIPPER WIDTH	
ZIPPER POSITION FROM THE TOP	
V NOTCH POSITION FROM THE TOP	25 MM +/- 2 MM
SEALING AREA	SIDE-7.5 MM +/- 1MM,TOP SEAL -20 MM +/- 1MM
POUCH WEIGHT	4.74 GM
OTR AT 23 C, 50% R.H	1.337 [cc/(m ² 24 hr)]
WVTR AT 38 C, 90% R.H	1.871 [gr/(m ² 24 hr)]
SEALING STRENGTH	SIDE -4.33 KG/15 MM,BOTTOM-6.19 KG/15MM
BOND STRENGTH 1st AND 2nd LAYER	.472 GM/15MM
BOND STRENGTH 2nd AND 3rd LAYER	
BOND STRENGTH 3rd AND 4th LAYER	
BOND STRENGTH 4th AND 5th LAYER	
BURSTING STRENGTH	1.16 KG/CM ²
ODOUR TEST	PASS
LEAKAGE TEST	
DROP TEST	PASS

REMARKS -ALL MATERIALS USED IS OF FOOD GRADE QUALITY

Disclaimer: "Electronically generated Certificate, hence signature not required"

Swiss Pac makes no warranty, expressed or implied, as to the suitability of these materials for any specific use. The values shown above were developed from random samples taken from production material. We believe them to be typical for the product. Actual values may vary somewhat from those depicted here. Customers should determine product suitability based upon their own internal criteria.."

Quality control Department