



April 5, 2019

Jiangxi Jianlei Protective Equipment Co.,Ltd
No.1700 Changhong Road, Changdong Industrial Park, Qingshanhu District
Nanchang, Jiangxi Province, China

In accordance with your instructions, Oregon Ballistic Laboratories conducted Ballistic Resistance (V_0) testing on one sample.

The sample was tested in accordance with CO/PD-05-04 in an indoor range with the muzzle of the test barrel mounted 15 feet from the target and positioned to produce 0-degree obliquity impacts. Four infrared light screens, in conjunction with time-based frequency counters, were positioned such that projectile velocity was measured 8.25 feet from the target. Penetrations and back face deformation were determined by examination of clay filled headform under the test sample. Results for all testing performed for this purpose are summarized in the following table.

Test Samples			Ballistic Threat				Results			
OBL No.:	SN:	Weight (lbs.)	Projectile	Shots	Velocity (fps)		BFD (mm)		Penetrations	Pass/Fail
					Min.	Max.	Min.	Max.		
21365	3	3.51	9mm FMJ	6	1391	1413	8.31	10.97	0	<u>PASS</u>

Samples will be maintained at Oregon Ballistic Laboratories for 30 days and then discarded unless other instructions are received. If you have any further questions or concerns, please contact us.

Sincerely,

Brandon Bertsch
Oregon Ballistic Laboratories

BALLISTIC RESISTANCE TEST - V₀

Customer: Jiangxi Jianlei Protective Equipment Co., Ltd
 OBL ID#: 21365
 Date Rcv'd: 4/1/2019
 Test Date: 4/2/2019
 Estimate Number: 2302

TEST SAMPLE

Sample No.:	N/A	Size (in.):	M/L				
Model No.:	N/A	Weight (lb.):	3.51				
Lot No.:	N/A	Thickness:	0.362	0.368	0.353	0.342	
Plies:	N/A	Avg. Thk. (in):	0.356				
Description:	Ballistic Highcut Helmet						

RANGE SET-UP

Range to Target:	15 ft.	Range #:	3	Pre Test:					
Screen Dist. Vel. 1 (ft.):	5	Temperature:	68.6 °F	Clay Drops (mm):	17.93	19.85	18.07	19.54	19.18
Screen Dist. Vel. 2 (ft.):	5	Bar. Pressure:	29.80 in. Hg	Drop Avg (mm):	18.91				
Screen 4 to target (ft):	N/A	Rel. Humidity:	51.8 %	Clay Temp °F:	93.9				
Primary Vel. Location:	8.25 ft. from target	Sample Temp.	Amb. °F	Clay Box #:	2				
Striking Velocity:	No	Recorder:	Daniel Chase	Post Test:					
Target to Witness:	N/A	Gunner:	Joe Cowan	Clay Drops (mm):					
Witness Panel:	N/A			Drop Avg (mm):					
Backing Material:	Clay Filled Headform			Clay Temp °F:					
Obliquity:	0 Degrees								
Barrel:	9mm Luger/1:10/4.5"								

AMMUNITION

Projectile: 9mm 124gr. FMJ Lot #23558 Powder: D032-03

STANDARDS / PROCEDURES

CO/PD-05-04 Required Velocity: 1400 fps + 50 fps

SHOT NO.	PROJECTILE WT. (gr.)	POWDER WT. (gr.)	TIME 1 μ s (10 ⁻⁶)	TIME 2 μ s (10 ⁻⁶)	VELOCITY 1 ft/s	VELOCITY 2 ft/s	AVERAGE VELOCITY	PENET. P/C	OBLIQUITY	CALIPER BFD	NOTES
1	124.7	6.7	3574	3571	1399	1400	1400	P	0°	8.50	Front
2	124.8	6.7	3540	3537	1412	1414	1413	P	0°	8.31	Back
3	124.6	6.7	3561	3558	1404	1405	1405	P	0°	10.97	Left
4	124.6	6.7	3596	3593	1390	1392	1391	UH	0°	9.02	Right / Insufficient Velocity
5	124.5	6.7	3560	3557	1404	1406	1405	P	0°	10.06	Crown
6	124.4	6.7	3557	3554	1406	1407	1407	P	0°	10.17	Right

REMARKS:

P=Partial Penetration
 C=Complete Penetration
 UH=Unfair Hit

TEST RESULTS:

Test sample satisfied the ballistic requirements given.

FOOTNOTES:

OBL# 21365 – Post Test



OBL# 21365 – Post Test

