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PISI MARKET TEST BUY REPORT CONDUCTED IN R1, R2 AND R3 ON JULY 23-26, 2024

Introduction:

The Philippine Iron & Steel Institute (PISI) team conducted a random market test buys on July 23-26, 2024 in some areas of Pampanga, Tarlac, Pangasinan, La Union, Ilocos Sur, Ilocos Norte, Cagayan, Isabela, Nueva Vizcaya and Nueva Ecija. Thirty-three (33) samples were purchased from sixteen (16) hardware stores.

Based from the initial tensile test, thirteen (13) samples failed to meet the minimum standard requirements for mass variation and elongation of PNS49:2020. In this regard, a confirmatory 3rd- party test was conducted at Bureau of Philippine Standards (BPS) Testing Laboratory in CMDC Compound, Carlos Trinidad Avenue, Salawag, Dasmarias, Cavite. Below are the stores found to be in violation of PNS 211:2002 and PNS 49:2020;

- The **D. MEDINA TRADING** in Mabalacat City, Pampanga **sold a substandard 12mm/grade 230R deformed bar with an embossed logo and marking PK/12/2 from Phil. Koktai Metal failed to meet the minimum requirements for elongation and mass variation, (E = 13% and MV = -14%). The store also sold 9mm wherein the actual embossed size marking is only 8mm.** (Attached test result is marked as A-1 to A-6 and the receipt is marked as A-7).
- The **J4 PLUS TRADING CORPORATION** in Mabalacat City, Pampanga **sold a substandard 10mm/grade 230R deformed bar with an embossed logo and marking CX/10/2 from Chuangxing Steel failed to meet the minimum requirements for elongation and mass variation, (E = 8% and MV = -7%).** (Attached test result is marked as B-1 to B-6 and the receipt is marked as B-7).
- The **CAPAS FORTUNE LUMBER & HARDWARE** in Capas, Tarlac **sold a substandard 12mm/grade 230R deformed bar with an embossed logo and marking MA/12/2 from Metal Alliance failed to meet the minimum requirement for mass variation, (MV = -7%).** (Attached test result is marked as C-1 to C-6 and the receipt is marked as C-7).

- The **RS SABLAN ROOFING & GEN. MDSE.** in Capas, Tarlac sold a substandard 12mm/grade 230R deformed bar with an embossed logo and marking PK/12/2 from Phil. Koktai Metal failed to meet the minimum requirements for elongation and mass variation, (E = 10% and MV = -18%). (Attached test result is marked as D-1 to D-6 and the receipt is marked as D-7).
- The **BLY STEEL COMMERCIAL OPC** in Villasis, Pangasinan sold a substandard 12mm/grade 280R deformed bar with an embossed logo and marking WSC/12/3 from Wanchiong Steel failed to meet the minimum requirement for mass variation, (MV = -7%). (Attached test result is marked as E-1 to E-6 and the receipt is marked as E-7).
- The **RS KING HARDWARE & CONST. SUPPLY** in Taguidin, Ilocos Sur sold a substandard 12mm/grade 230R deformed bar with an embossed logo and marking TW/12/2 from Tee Wee Steel failed to meet the minimum requirements for elongation and mass variation, (E = 16% and MV = -15%). (Attached test result is marked as F-1 to F-6 and the receipt is marked as F-7).
- The **ABM HARDWARE & CONST. SUPPLIES** in Paoay, Ilocos Norte sold a substandard 12mm/grade 230R deformed bar with an embossed logo and marking SJ/12/2 from Philippine Sanjia Steel failed to meet the minimum requirement for mass variation, (MV = -8%). (Attached test result is marked as G-1 to G-6 and the receipt is marked as G-7).
- The **CGO COMMERCIAL** in Sanchez Mira, Cagayan sold a substandard 10mm/grade 230R deformed bar with an embossed logo and marking CX/10/2 from Chuangxing Steel failed to meet the minimum requirement for elongation, (E = 16%). (Attached test result is marked as H-1 to H-6 and the receipt is marked as H-7).
- The **RSM HARDWARE & CONST. SUPPLY** in Cordon, Isabela sold a substandard 12mm/grade 230R deformed bar with an embossed logo and marking PK/12/2 from Phil. Koktai Metal failed to meet the minimum requirements for elongation and mass variation, (E = 16% and MV = -15%). (Attached test result is marked as I-1 to I-6 and the receipt is marked as I-7).
- The **C. ANTONIO STEEL & HARDWARE** in San Jose, Nueva Ecija sold a substandard 12mm/grade 230R deformed bar with an embossed logo and marking SJ/12/2 from Philippine Sanjia Steel failed to meet the minimum requirement for mass variation, (MV = -7%). (Attached test result is marked as J-1 to J-6 and the receipt is marked as J-7).

Table 1-Summary:

Name of Hardware	Logo and marking	Name of Manufacturer	Results	Remarks
D. MEDINA TRADING	PK /12/2	PHIL. KOKTAI METAL	E = 13% MV = -14%	LOW ELONGATION UNDERWEIGHT
J4 PLUS TRADING CORP.	CX/10/2	CHUANGXING STEEL	E = 8% MV = -7%	LOW ELONGATION UNDERWEIGHT
CAPAS FORTUNE LUMBER & HARDWARE	MA/12/2	METAL ALLIANCE	MV = -7%	UNDERWEIGHT
RS SABLAN ROOFING & GEN. MDSE.	PK/12/2	PHIL. KOKTAI METAL	E = 10% MV = -18%	LOW ELONGATION UNDERWEIGHT
BLY STEEL COMMERCIAL OPC	WSC/12/3	WANCHIONG STEEL	MV = -7%	UNDERWEIGHT
RS KING HARDWARE & CONST. SUPPLY	TW/12/2	TEE WEE STEEL	E = 16% MV = -15%	LOW ELONGATION UNDERWEIGHT
ABM HARDWARE & CONST. SUPPLIES	SJ/12/2	PHILIPPINE SANJIA STEEL	MV = -8%	UNDERWEIGHT
CGO COMMERCIAL	CX/10/2	CHUANGXING STEEL	E = 16%	LOW ELONGATION
RSM HARDWARE & CONST. SUPPLY	PK/12/2	PHIL. KOKTAI METAL	E = 16% MV = -15%	LOW ELONGATION UNDERWEIGHT
C. ANTONIO STEEL & HARDWARE	SJ/12/2	PHILIPPINE SANJIA STEEL	MV = -7%	UNDERWEIGHT

Concluding Remarks:

We would like to call the attention of DTI Regional and Provincial Standards Enforcers to verify the information by PISI.

The substandard rebars are unsafe to use wherein the burden and great effect would be from the end users and/or consumers that will use the substandard rebars without their due knowledge. Therefore, the fraudulent selling of substandard rebars will compromise the safety of the buying public.

Recommendations:

The PISI would like to offer its services and create a partnership with DTI in order to stop the deceitful selling practice of some hardware stores and prevent the proliferation of substandard reinforcing steel bars in the market.

1. DTI-ROG, DTI-CPG and DTI-FTEB conduct a nationwide market monitoring and standards enforcement campaign.
2. DTI market monitoring teams conduct an actual weighing and measuring of bars to determine conformance to PNS 49:2020 and PNS211:2002, in addition to checking of logos and markings.
3. File cases against hardware store owners and local manufacturers found to be in violation of DTI product standard laws and unfair trade practices act.

Prepared by:



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