

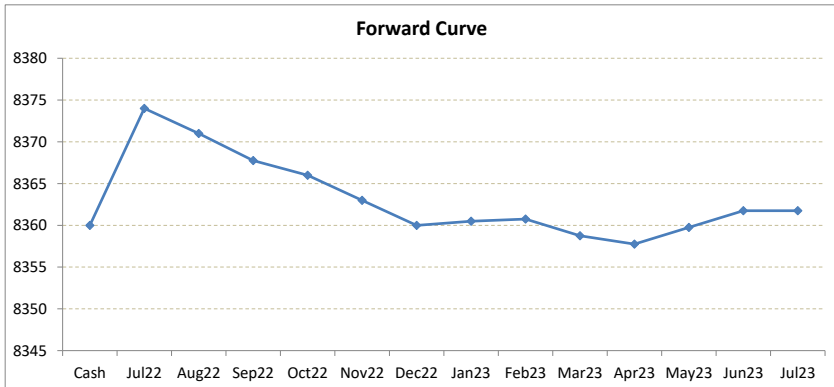
# LME Valuation - Copper

Cash - 3M: 5.50c

Date: 2022-06-28

**Cash 8360.00**  
**3M 8365.50**  
 Jul22 8374.00  
 Aug22 8371.00  
 Sep22 8367.75  
 Oct22 8366.00  
 Nov22 8363.00  
 Dec22 8360.00  
 Jan23 8360.50  
 Feb23 8360.75  
 Mar23 8358.75  
 Apr23 8357.75  
 May23 8359.75  
 Jun23 8361.75  
 Jul23 8361.75

	Cash-Jul22	Cash-Aug22	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23	
Cash	14.00c	11.00c	7.75c	6.00c	3.00c	0.00b	0.50c	0.75c	1.25b	2.25b	0.25b	1.75c	
	Jul22-3M	Aug22-3M	Sep22-3M	3M-Oct22	3M-Nov22	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23	
3M	8.50b	5.50b	2.25b	0.50c	2.50b	5.50b	5.00b	4.75b	6.75b	7.75b	5.75b	3.75b	
	Jul22-Aug22	Aug22-Sep22	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23	
3rd wed	3.00b	3.25b	1.75b	3.00b	3.00b	0.50c	0.25c	2.00b	1.00b	2.00c	2.00c	0.00b	
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	
Jul22	3.00b	6.25b	8.00b	11.00b	14.00b	13.50b	13.25b	15.25b	16.25b	14.25b	12.25b	12.25b	
Aug22		3.25b	5.00b	8.00b	11.00b	10.50b	10.25b	12.25b	13.25b	11.25b	9.25b	9.25b	
Sep22			1.75b	4.75b	7.75b	7.25b	7.00b	9.00b	10.00b	8.00b	6.00b	6.00b	
Oct22				3.00b	6.00b	5.50b	5.25b	7.25b	8.25b	6.25b	4.25b	4.25b	
Nov22					3.00b	2.50b	2.25b	4.25b	5.25b	3.25b	1.25b	1.25b	
Dec22						0.50c	0.75c	1.25b	2.25b	0.25b	1.75c	1.75c	
Jan23							0.25c	1.75b	2.75b	0.75b	1.25c	1.25c	
Feb23								2.00b	3.00b	1.00b	1.00c	1.00c	
Mar23									1.00b	1.00c	3.00c	3.00c	
Apr23										2.00c	4.00c	4.00c	
May23											2.00c	2.00c	
Jun23												0.00b	
Jul23													0.00b



\*본 자료는 LME에서 공시하는 Valuation을 토대로 작성된 것으로 실제 거래 시의 스프레드와는 무관합니다.  
 \*\* Source: Reuters

# LME Valuation - Aluminium

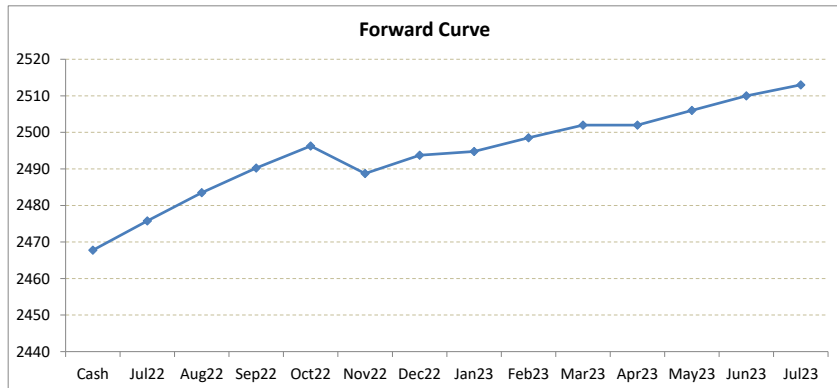
Cash - 3M: 23.25c

Date: 2022-06-28

	Cash-Jul22	Cash-Aug22	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23
<b>Cash</b>	<b>2467.75</b>											
<b>3M</b>	<b>2491.00</b>											
Jul22	<b>2475.75</b>											
Aug22	<b>2483.50</b>											
Sep22	<b>2490.25</b>											
Oct22	<b>2496.25</b>											
Nov22	<b>2488.75</b>											
Dec22	<b>2493.75</b>											
Jan23	<b>2494.75</b>											
Feb23	<b>2498.50</b>											
Mar23	<b>2502.00</b>											
Apr23	<b>2502.00</b>											
May23	<b>2506.00</b>											
Jun23	<b>2510.00</b>											
Jul23	<b>2513.00</b>											

	Cash-Jul22	Cash-Aug22	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23	
Cash	8.00c	15.75c	22.50c	28.50c	21.00c	26.00c	27.00c	30.75c	34.25c	34.25c	38.25c	42.25c	
3M	Jul22-3M	Aug22-3M	Sep22-3M	3M-Oct22	3M-Nov22	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23	
	15.25c	7.50c	0.75c	5.25c	2.25b	2.75c	3.75c	7.50c	11.00c	11.00c	15.00c	19.00c	
3rd wed	Jul22-Aug22	Aug22-Sep22	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23	
	7.75c	6.75c	6.00c	7.50b	5.00c	1.00c	3.75c	3.50c	0.00b	4.00c	4.00c	3.00c	
Jul22	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	
	7.75c	14.50c	20.50c	13.00c	18.00c	19.00c	22.75c	26.25c	26.25c	30.25c	34.25c	37.25c	
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	
	6.75c	12.75c	5.25c	10.25c	11.25c	15.00c	18.50c	18.50c	22.50c	26.50c	29.50c		
		Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	
		6.00c	1.50b	3.50c	4.50c	8.25c	11.75c	11.75c	15.75c	19.75c	22.75c		
			Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	
			7.50b	2.50b	1.50b	2.25c	5.75c	5.75c	9.75c	13.75c	16.75c		
				Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	
				5.00c	6.00c	9.75c	13.25c	13.25c	17.25c	21.25c	24.25c		
					Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	
					1.00c	4.75c	8.25c	8.25c	12.25c	16.25c	19.25c		
						Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	
						3.75c	7.25c	7.25c	11.25c	15.25c	18.25c		
							Feb23	Mar23	Apr23	May23	Jun23	Jul23	
							3.50c	3.50c	7.50c	11.50c	14.50c		
								Mar23	Apr23	May23	Jun23	Jul23	
								0.00b	4.00c	8.00c	11.00c		
									Apr23	May23	Jun23	Jul23	
									4.00c	8.00c	11.00c		
										May23	Jun23	Jul23	
										4.00c	7.00c		
											Jun23	Jul23	
												3.00c	
													Jul23



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\*\* Source: Reuters

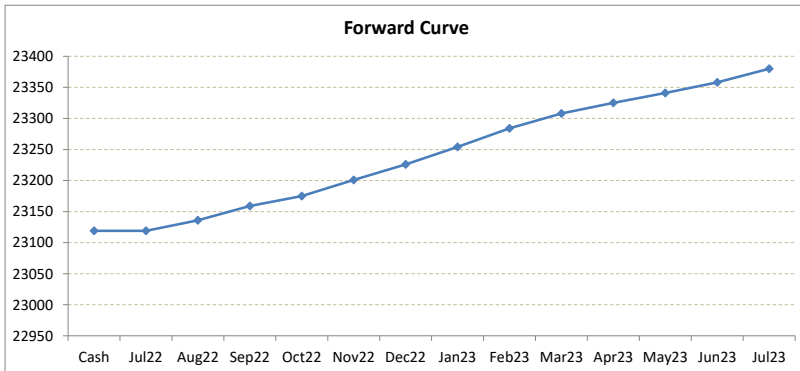
# LME Valuation - Nickel

Cash - 3M: 39.00c

Date: 2022-06-28

**Cash 23119.00**  
**3M 23158.00**  
 Jul22 23119.00  
 Aug22 23136.00  
 Sep22 23159.00  
 Oct22 23175.00  
 Nov22 23201.00  
 Dec22 23226.00  
 Jan23 23254.00  
 Feb23 23284.00  
 Mar23 23308.00  
 Apr23 23325.00  
 May23 23341.00  
 Jun23 23358.00  
 Jul23 23380.00

	Cash-Jul22	Cash-Aug22	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23
Cash	0.00b	17.00c	40.00c	56.00c	82.00c	107.00c	135.00c	165.00c	189.00c	206.00c	222.00c	239.00c
	Jul22-3M	Aug22-3M	Sep22-3M	3M-Oct22	3M-Nov22	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23
3M	39.00c	22.00c	1.00b	17.00c	43.00c	68.00c	96.00c	126.00c	150.00c	167.00c	183.00c	200.00c
	Jul22-Aug22	Aug22-Sep22	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23
3rd wed	17.00c	23.00c	16.00c	26.00c	25.00c	28.00c	30.00c	24.00c	17.00c	16.00c	17.00c	22.00c
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Jul22	17.00c	40.00c	56.00c	82.00c	107.00c	135.00c	165.00c	189.00c	206.00c	222.00c	239.00c	261.00c
Aug22	23.00c	39.00c	65.00c	90.00c	118.00c	148.00c	172.00c	189.00c	205.00c	222.00c	244.00c	
Sep22		16.00c	42.00c	67.00c	95.00c	125.00c	149.00c	166.00c	182.00c	199.00c	221.00c	
Oct22			26.00c	51.00c	79.00c	109.00c	133.00c	150.00c	166.00c	183.00c	205.00c	
Nov22				25.00c	53.00c	83.00c	107.00c	124.00c	140.00c	157.00c	179.00c	
Dec22					28.00c	58.00c	82.00c	99.00c	115.00c	132.00c	154.00c	
Jan23						30.00c	54.00c	71.00c	87.00c	104.00c	126.00c	
Feb23							24.00c	41.00c	57.00c	74.00c	96.00c	
Mar23								17.00c	33.00c	50.00c	72.00c	
Apr23									16.00c	33.00c	55.00c	
May23										17.00c	39.00c	
Jun23											22.00c	
Jul23												22.00c



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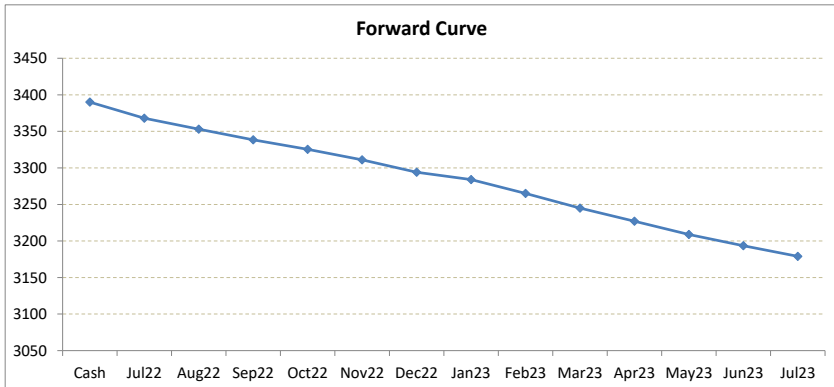
\*\* Source: Reuters

# LME Valuation - Zinc

Cash - 3M: **57.00b**

Date: **2022-06-28**

<b>Cash</b>	<b>3390.00</b>	Cash-Jul22	Cash-Aug22	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23	
<b>3M</b>	<b>3333.00</b>	22.00b	37.00b	51.50b	64.50b	79.00b	96.00b	106.00b	125.00b	145.00b	163.00b	181.00b	196.50b	
Jul22	<b>3368.00</b>													
Aug22	<b>3353.00</b>	Jul22-3M	Aug22-3M	Sep22-3M	3M-Oct22	3M-Nov22	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23	
Sep22	<b>3338.50</b>	35.00b	20.00b	5.50b	7.50b	22.00b	39.00b	49.00b	68.00b	88.00b	106.00b	124.00b	139.50b	
Oct22	<b>3325.50</b>													
Nov22	<b>3311.00</b>	Jul22-Aug22	Aug22-Sep22	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23	
Dec22	<b>3294.00</b>	3rd wed	15.00b	14.50b	13.00b	14.50b	17.00b	10.00b	19.00b	20.00b	18.00b	18.00b	15.50b	14.50b
Jan23	<b>3284.00</b>													
Feb23	<b>3265.00</b>	Jul22	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23
Mar23	<b>3245.00</b>	15.00b	29.50b	42.50b	57.00b	74.00b	84.00b	103.00b	123.00b	141.00b	159.00b	174.50b	189.00b	
Apr23	<b>3227.00</b>	Aug22	14.50b	27.50b	42.00b	59.00b	69.00b	88.00b	108.00b	126.00b	144.00b	159.50b	174.00b	
May23	<b>3209.00</b>	Sep22		13.00b	27.50b	44.50b	54.50b	73.50b	93.50b	111.50b	129.50b	145.00b	159.50b	
Jun23	<b>3193.50</b>	Oct22			14.50b	31.50b	41.50b	60.50b	80.50b	98.50b	116.50b	132.00b	146.50b	
Jul23	<b>3179.00</b>	Nov22				17.00b	27.00b	46.00b	66.00b	84.00b	102.00b	117.50b	132.00b	
		Dec22					10.00b	29.00b	49.00b	67.00b	85.00b	100.50b	115.00b	
		Jan23						19.00b	39.00b	57.00b	75.00b	90.50b	105.00b	
		Feb23							20.00b	38.00b	56.00b	71.50b	86.00b	
		Mar23								18.00b	36.00b	51.50b	66.00b	
		Apr23									18.00b	33.50b	48.00b	
		May23										15.50b	30.00b	
		Jun23											14.50b	
		Jul23												



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\*\* Source: Reuters

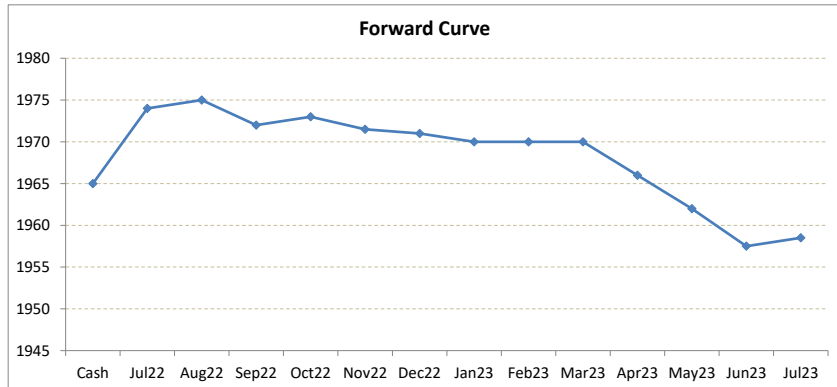
# LME Valuation - Lead

Cash - 3M: 6.00c

Date: 2022-06-28

**Cash 1965.00**  
**3M 1971.00**  
 Jul22 **1974.00**  
 Aug22 **1975.00**  
 Sep22 **1972.00**  
 Oct22 **1973.00**  
 Nov22 **1971.50**  
 Dec22 **1971.00**  
 Jan23 **1970.00**  
 Feb23 **1970.00**  
 Mar23 **1970.00**  
 Apr23 **1966.00**  
 May23 **1962.00**  
 Jun23 **1957.50**  
 Jul23 **1958.50**

	Cash-Jul22	Cash-Aug22	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23	
Cash	9.00c	10.00c	7.00c	8.00c	6.50c	6.00c	5.00c	5.00c	5.00c	1.00c	3.00b	7.50b	
	Jul22-3M	Aug22-3M	Sep22-3M	3M-Oct22	3M-Nov22	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23	
3M	3.00b	4.00b	1.00b	2.00c	0.50c	0.00b	1.00b	1.00b	1.00b	5.00b	9.00b	13.50b	
	Jul22-Aug22	Aug22-Sep22	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23	
3rd wed	1.00c	3.00b	1.00c	1.50b	0.50b	1.00b	0.00b	0.00b	4.00b	4.00b	4.50b	1.00c	
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	
Jul22	1.00c	2.00b	1.00b	2.50b	3.00b	4.00b	4.00b	4.00b	8.00b	12.00b	16.50b	15.50b	
Aug22		3.00b	2.00b	3.50b	4.00b	5.00b	5.00b	5.00b	9.00b	13.00b	17.50b	16.50b	
Sep22			1.00c	0.50b	1.00b	2.00b	2.00b	2.00b	6.00b	10.00b	14.50b	13.50b	
Oct22				1.50b	2.00b	3.00b	3.00b	3.00b	7.00b	11.00b	15.50b	14.50b	
Nov22					0.50b	1.50b	1.50b	1.50b	5.50b	9.50b	14.00b	13.00b	
Dec22						1.00b	1.00b	1.00b	5.00b	9.00b	13.50b	12.50b	
Jan23							0.00b	0.00b	4.00b	8.00b	12.50b	11.50b	
Feb23								0.00b	4.00b	8.00b	12.50b	11.50b	
Mar23									4.00b	8.00b	12.50b	11.50b	
Apr23										4.00b	8.50b	7.50b	
May23											4.50b	3.50b	
Jun23												1.00c	
Jul23													1.00c



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 \*\* Source: Reuters

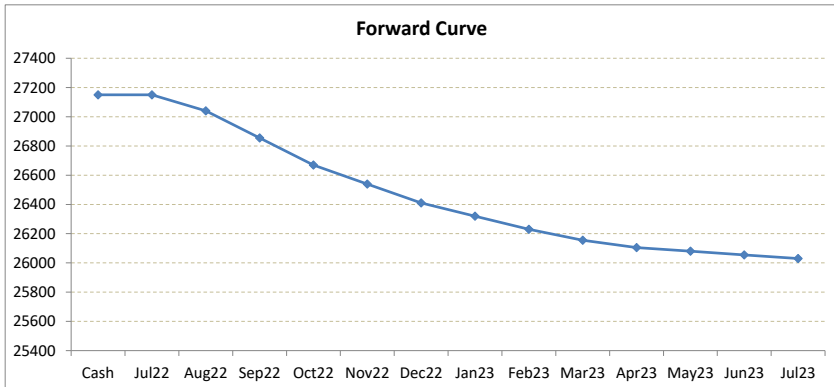
# LME Valuation - Tin

Cash - 3M: **350.00b**

Date: **2022-06-28**

**Cash 27150.00**  
**3M 26800.00**  
 Jul22 **27150.00**  
 Aug22 **27040.00**  
 Sep22 **26855.00**  
 Oct22 **26670.00**  
 Nov22 **26540.00**  
 Dec22 **26410.00**  
 Jan23 **26320.00**  
 Feb23 **26230.00**  
 Mar23 **26155.00**  
 Apr23 **26105.00**  
 May23 **26080.00**  
 Jun23 **26055.00**  
 Jul23 **26030.00**

	Cash-Jul22	Cash-Aug22	Cash-Sep22	Cash-Oct22	Cash-Nov22	Cash-Dec22	Cash-Jan23	Cash-Feb23	Cash-Mar23	Cash-Apr23	Cash-May23	Cash-Jun23	
Cash	0.00b	110.00b	295.00b	480.00b	610.00b	740.00b	830.00b	920.00b	995.00b	1045.00b	1070.00b	1095.00b	
	Jul22-3M	Aug22-3M	Sep22-3M	3M-Oct22	3M-Nov22	3M-Dec22	3M-Jan23	3M-Feb23	3M-Mar23	3M-Apr23	3M-May23	3M-Jun23	
3M	350.00b	240.00b	55.00b	130.00b	260.00b	390.00b	480.00b	570.00b	645.00b	695.00b	720.00b	745.00b	
	Jul22-Aug22	Aug22-Sep22	Sep22-Oct22	Oct22-Nov22	Nov22-Dec22	Dec22-Jan23	Jan23-Feb23	Feb23-Mar23	Mar23-Apr23	Apr23-May23	May23-Jun23	Jun23-Jul23	
3rd wed	110.00b	185.00b	185.00b	130.00b	130.00b	90.00b	90.00b	75.00b	50.00b	25.00b	25.00b	25.00b	
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	
Jul22	110.00b	295.00b	480.00b	610.00b	740.00b	830.00b	920.00b	995.00b	1045.00b	1070.00b	1095.00b	1120.00b	
	Aug22	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23	
Aug22		185.00b	370.00b	500.00b	630.00b	720.00b	810.00b	885.00b	935.00b	960.00b	985.00b	1010.00b	
	Sep22	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23		
Sep22			185.00b	315.00b	445.00b	535.00b	625.00b	700.00b	775.00b	800.00b	825.00b		
	Oct22	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23			
Oct22				130.00b	260.00b	350.00b	440.00b	515.00b	565.00b	590.00b	615.00b	640.00b	
	Nov22	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23				
Nov22					130.00b	220.00b	310.00b	385.00b	435.00b	460.00b	485.00b	510.00b	
	Dec22	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23					
Dec22						90.00b	180.00b	255.00b	305.00b	330.00b	355.00b	380.00b	
	Jan23	Feb23	Mar23	Apr23	May23	Jun23	Jul23						
Jan23							90.00b	165.00b	215.00b	240.00b	265.00b	290.00b	
	Feb23	Mar23	Apr23	May23	Jun23	Jul23							
Feb23								75.00b	125.00b	150.00b	175.00b	200.00b	
	Mar23	Apr23	May23	Jun23	Jul23								
Mar23									50.00b	75.00b	100.00b	125.00b	
	Apr23	May23	Jun23	Jul23									
Apr23										25.00b	50.00b	75.00b	
	May23	Jun23	Jul23										
May23											25.00b	50.00b	
	Jun23	Jul23											
Jun23												25.00b	
	Jul23												
Jul23													25.00b



\*본 자료는 LME에서 공시하는 Valuation을 토대로 작성된 것으로 실제 거래 시의 스프레드와는 무관합니다.  
 \*\* Source: Reuters