

## HAIRCUTS DEUDA EXTERNA DICIEMBRE 2019

NOMBRE_BBRG	MARKET_ISSUE	calcTypDes	denominacion	mtyTyp	fecha_emision	fecha_vencimiento	1	2	3	4	5
XS1385239006	GLOBAL	STREET CONVENTION	EUR	AT MATURITY	24/02/1997	22/03/2026	3,000%	3,000%	3,000%	3,198%	3,619%
XS0833886095	GLOBAL	STREET CONVENTION	USD	AT MATURITY	28/01/2003	21/03/2023	3,000%	3,000%	3,000%	3,098%	3,334%
XS0502258444	GLOBAL	STREET CONVENTION	COP	AT MATURITY	14/04/2010	14/04/2021	3,000%	3,000%	3,000%	3,000%	3,000%
XS0306322065	GLOBAL	STREET CONVENTION	COP	AT MATURITY	28/06/2007	28/06/2027	3,000%	3,000%	3,000%	3,000%	3,000%
USP3772NHK11	GLOBAL	STREET CONVENTION	USD	AT MATURITY	28/01/2003	15/03/2023	3,000%	3,000%	3,000%	3,152%	3,452%
US195325DQ52	GLOBAL	STREET CONVENTION	USD	AT MATURITY	28/01/2019	15/05/2049	3,000%	3,596%	3,959%	16,000%	16,000%
US195325DP79	GLOBAL	STREET CONVENTION	USD	AT MATURITY	12/10/2018	15/03/2029	3,000%	3,000%	3,029%	3,327%	3,749%
US195325DL65	GLOBAL	STREET CONVENTION	USD	AT MATURITY	25/01/2017	25/04/2027	3,000%	3,000%	3,000%	3,268%	3,645%
US195325CX13	GLOBAL	STREET CONVENTION	USD	AT MATURITY	28/09/2015	28/01/2026	3,000%	3,000%	3,000%	3,242%	3,599%
US195325CU73	GLOBAL	STREET CONVENTION	USD	AT MATURITY	28/01/2015	15/06/2045	3,000%	3,000%	3,563%	3,998%	4,564%
US195325BR53	GLOBAL	STREET CONVENTION	USD	AT MATURITY	28/01/2003	26/02/2044	3,000%	3,000%	3,421%	3,845%	4,375%
US195325BQ70	GLOBAL	STREET CONVENTION	USD	AT MATURITY	28/01/2003	26/02/2024	3,000%	3,000%	3,000%	3,188%	3,511%
US195325BN40	GLOBAL	STREET CONVENTION	USD	AT MATURITY	07/12/2011	12/07/2021	3,000%	3,000%	3,242%	3,360%	3,469%
US195325BM66	GLOBAL	STREET CONVENTION	USD	AT MATURITY	20/10/2009	18/01/2041	3,000%	3,000%	3,278%	3,660%	4,166%
US195325BK01	GLOBAL	STREET CONVENTION	USD	AT MATURITY	19/09/2006	18/09/2037	3,000%	3,000%	3,210%	3,559%	4,051%
US195325BD67	GLOBAL	STREET CONVENTION	USD	AT MATURITY	21/01/2004	21/05/2024	3,000%	3,000%	3,000%	3,231%	3,544%
US195325BB02	GLOBAL	STREET CONVENTION	USD	AT MATURITY	28/01/2003	28/01/2033	3,000%	3,650%	3,650%	3,798%	4,116%
US195325AU91	GLOBAL	STREET CONVENTION	USD	AT MATURITY	25/02/2000	25/02/2020	3,000%	3,000%	3,399%	3,594%	3,695%
US195325AQ89	GLOBAL	STREET CONVENTION	USD	AT MATURITY	17/03/2000	09/03/2028	3,000%	3,000%	3,000%	3,223%	3,595%
US195325AL92	GLOBAL	STREET CONVENTION	USD	AT MATURITY	24/02/1997	15/02/2027	3,000%	3,000%	3,094%	3,251%	3,621%
JP517000A9P9	SAMURAI	JAPAN:NON-GOVT BB	JPY	AT MATURITY	27/11/2009	27/11/2019	3,000%	3,000%	3,406%	3,790%	4,181%

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6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
3,782%	4,676%	4,676%	4,676%	4,727%	4,911%	5,001%	5,071%	5,158%	5,306%	5,407%	5,460%	5,494%	5,689%	5,698%	6,561%	7,292%
3,679%	4,022%	4,347%	4,653%	4,900%	5,131%	5,280%	5,419%	5,546%	5,683%	5,794%	5,864%	5,940%	6,267%	6,331%	6,379%	7,291%
3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%
3,120%	3,374%	3,511%	4,034%	4,143%	4,962%	5,008%	5,055%	5,081%	5,129%	5,207%	5,544%	5,544%	5,544%	5,544%	5,544%	5,544%
3,827%	4,181%	4,520%	4,824%	5,071%	5,290%	5,425%	5,567%	5,711%	5,855%	5,966%	6,026%	6,312%	6,793%	6,793%	6,931%	7,137%
16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%
4,169%	4,535%	4,878%	5,184%	5,430%	5,683%	5,859%	6,057%	6,231%	6,411%	6,531%	6,579%	6,620%	6,664%	6,692%	6,692%	6,692%
4,068%	4,436%	4,784%	5,100%	5,363%	5,608%	5,773%	5,960%	6,136%	6,304%	6,421%	6,479%	6,527%	6,577%	6,593%	6,593%	6,593%
4,007%	4,372%	4,716%	5,025%	5,276%	5,502%	5,642%	5,796%	5,948%	6,100%	6,211%	6,268%	6,308%	6,341%	6,341%	6,341%	6,341%
5,061%	5,453%	5,849%	6,222%	6,554%	6,916%	7,243%	7,616%	7,889%	8,148%	8,300%	8,390%	8,450%	8,510%	8,578%	8,578%	8,716%
4,883%	5,293%	5,708%	6,091%	6,439%	6,799%	7,124%	7,487%	7,766%	8,008%	8,150%	8,233%	8,305%	8,369%	8,424%	8,424%	8,526%
3,895%	4,251%	4,584%	4,882%	5,118%	5,331%	5,456%	5,588%	5,723%	5,869%	5,980%	6,041%	6,079%	6,682%	6,682%	6,682%	6,725%
3,838%	4,431%	4,610%	4,864%	5,303%	5,350%	5,494%	5,632%	5,768%	5,905%	6,017%	6,083%	6,701%	7,958%	7,958%	7,958%	7,958%
4,648%	5,056%	5,458%	5,825%	6,157%	6,507%	6,811%	7,152%	7,425%	7,679%	7,847%	7,958%	8,052%	8,140%	8,222%	8,222%	8,337%
4,534%	4,941%	5,346%	5,719%	6,043%	6,378%	6,653%	6,954%	7,191%	7,423%	7,579%	7,676%	7,753%	7,822%	7,864%	7,864%	7,897%
3,926%	4,281%	4,624%	4,926%	5,171%	5,394%	5,535%	5,689%	5,845%	5,995%	6,117%	6,187%	6,255%	6,273%	6,518%	6,589%	6,997%
4,670%	5,591%	5,786%	5,786%	5,856%	6,195%	6,351%	6,507%	6,592%	6,718%	6,888%	6,961%	6,961%	6,961%	6,968%	6,968%	6,968%
4,156%	4,801%	4,950%	4,998%	5,626%	5,626%	5,626%	5,626%	5,626%	5,626%	5,744%	6,080%	6,748%	7,941%	8,054%	8,054%	8,054%
4,020%	4,404%	4,779%	5,114%	5,403%	5,670%	5,879%	6,097%	6,289%	6,457%	6,581%	6,655%	6,713%	6,852%	6,852%	6,852%	6,852%
4,047%	4,435%	4,956%	5,238%	5,625%	5,706%	5,926%	6,124%	6,312%	6,474%	6,596%	6,670%	6,727%	6,777%	6,790%	6,790%	6,927%
4,702%	5,196%	5,628%	5,992%	6,285%	6,561%	6,701%	6,760%	6,846%	7,011%	7,136%	7,144%	7,144%	7,155%	7,217%	7,241%	7,244%

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23	24	25	26	27	28	29	30	31	32	33	34	35
8,810%	10,163%	10,570%	10,643%	10,852%	10,852%	10,852%	10,852%	10,852%	10,852%	10,852%	10,852%	10,852%
8,226%	9,080%	10,232%	11,721%	14,183%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%
3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%	3,000%
5,544%	5,544%	5,544%	5,544%	5,544%	5,544%	5,544%	5,544%	5,544%	5,544%	5,544%	5,544%	5,544%
8,009%	8,293%	9,213%	9,964%	10,092%	10,092%	10,092%	10,092%	10,092%	10,092%	10,092%	10,092%	10,092%
16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%	16,000%
6,716%	6,783%	6,845%	6,968%	7,061%	7,126%	7,226%	7,382%	7,543%	7,671%	7,780%	7,856%	7,919%
6,607%	6,665%	6,715%	6,818%	6,887%	6,947%	7,054%	7,215%	7,377%	7,504%	7,603%	7,659%	7,707%
6,341%	6,573%	7,413%	7,413%	7,930%	8,013%	8,013%	8,013%	8,013%	8,013%	8,013%	8,013%	8,013%
8,900%	9,078%	9,243%	9,477%	9,673%	9,855%	10,052%	10,284%	10,517%	10,724%	10,895%	11,034%	11,162%
8,680%	8,837%	8,980%	9,186%	9,376%	9,559%	9,780%	10,017%	10,253%	10,465%	10,642%	10,777%	10,893%
7,332%	7,542%	7,997%	8,774%	9,395%	9,482%	9,482%	9,482%	9,482%	9,482%	9,482%	9,482%	9,482%
8,858%	9,235%	10,183%	10,733%	11,166%	11,166%	11,166%	11,166%	11,166%	11,166%	11,166%	11,166%	11,166%
8,486%	8,640%	8,782%	8,986%	9,166%	9,340%	9,531%	9,752%	9,966%	10,155%	10,318%	10,444%	10,552%
8,004%	8,119%	8,221%	8,389%	8,541%	8,690%	8,854%	9,054%	9,254%	9,425%	9,561%	9,659%	9,739%
7,988%	8,642%	10,199%	10,780%	11,187%	11,187%	11,187%	11,187%	11,187%	11,187%	11,187%	11,187%	11,187%
6,968%	6,968%	6,968%	6,968%	6,968%	6,968%	6,968%	6,968%	7,103%	7,220%	7,395%	7,500%	7,604%
9,266%	9,827%	11,120%	11,671%	12,209%	12,213%	12,213%	12,213%	12,213%	12,213%	12,213%	12,213%	12,213%
6,852%	7,196%	7,250%	7,352%	7,352%	7,352%	7,352%	7,383%	7,527%	7,635%	7,712%	7,757%	7,795%
7,472%	7,515%	9,221%	9,664%	9,664%	9,730%	9,829%	9,829%	9,829%	9,829%	9,829%	9,829%	9,829%
7,327%	7,435%	7,534%	7,580%	8,529%	8,529%	8,529%	8,529%	8,529%	8,702%	8,858%	8,858%	8,858%