

#### COMUNICACIÓN DE INFORMACIÓN RELEVANTE 1NKEMIA IUCT GROUP, S.A.

En virtud de lo previsto en el artículo 17 del Reglamento (UE) nº 596/2014 sobre abuso de mercado y en el artículo 228 del texto refundido de la Ley del Mercado de Valores, aprobado por el Real Decreto Legislativo 4/2015, de 23 de octubre ponemos en su conocimiento el siguiente Hecho Relevante relativo a la sociedad **INKEMIA IUCT GROUP, S.A.** (en adelante "**InKemia**" o "**Ia Sociedad**" indistintamente).

Dado el avance del proyecto de Biocombustibles Avanzados llevado a cabo por la subsidiaria británica de InKemia, InKemia Advaced BF Ltd, se decidió solicitar a la prestigiosa compañía británica en valoraciones de empresas Hogan Lovells, un informe de valoración del Proyecto empresarial de InKemia Advanced BF Ltd.

Dicho informe, que se adjunta a este hecho relevante, concluye que la valoración estimada siguiendo el método de "discounted residual profit" es de 111,51 millones de euros.

Esta valoración es fruto de la transferencia a esta subsidiaria de la tecnología en Biocombustibles Avanzados desarrollada por el grupo InKemia durante los últimos 15 años. Dicha transferencia incluye la licencia para la explotación de las patentes internacionales que InKemia dispone en esta área.

Este informe refuerza la estrategia presentada en el anterior hecho relevante con respecto al plan de negocio de InKemia.

Dig College

En Mollet del Vallés a 12 de diciembre de 2017

Fdo: Josep Castells Boliart

Consejero Delegado de 1NKEMIA IUCT GROUP, S.A.





## 1nkemia Advanced Biofuel Ltd

Biofuel Business Valuation – Summary Version

December 2017

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#### **Executive Summary**

- In accordance with our engagement with 1nkemia Advanced Biofuel Ltd ("1nkemia BF"), Hogan Lovells Solutions Transfer Pricing ("we" or "Hogan Lovells") have undertaken an indicative valuation of the intangible property ("IP"), including patents, trademarks, copyrights, manufacturing processes and other IP (collectively "the IP"), relating to the 1nkemia BF business.
- This indicative valuation is for the purpose of supporting management with internal discussions and considering options to exploit IP through licensing, commercialisation or a potential sale in the future. Should a sale be considered we can provide further advice regarding the tax valuation and transfer pricing implications of that sale. The report is a summary version of our full analysis, to be issued mid-December 2017.
- The application of a discounted residual profit methodology produced an indicative valuation of **EUR 111.51 million**.
- A sensitivity analysis of the various key data inputs to the methodology produced an interquartile range of possible values of **EUR 72.72 million to EUR 161.61 million**, which encompasses the indicative value of EUR 111.51 million.
- The application of a supporting discounted royalty methodology produced a supporting valuation of EUR 109.08 million, falling within the sensitivity range and corroborating the indicative valuation of EUR 111.51 million.
- The valuation relies upon facts and information provided by management and employees of 1nkemia BF and its related entities, particularly forecast data. No independent verification has been sought to validate this information. Consequently, the description of facts and circumstances in this document reflects our understanding of the situation at the time of our information gathering. The management of 1nkemia BF has reviewed this report and confirmed that there are no material misunderstandings or misrepresentations of the facts gathered during its preparation.
- Our analysis also uses information obtained from third party sources. We have used our knowledge and experience to assess as far as is reasonably possible the reliability and accuracy of such third party data, but are unable to guarantee its accuracy.

#### Introduction

- 1nkemia BF is looking to value the IP related to the 1nkemia BF business.
- To do this, it is necessary to calculate the value that a third party buyer would assign to the IP, were it to purchase the IP in an arm's length scenario (i.e. where the buyer is wholly independent from the seller and therefore regular market forces apply to the transaction).
- The value can be calculated using methodology that assesses the potential value of the IP to the buyer, being the potential profit that could be derived by the buyer in its future use of the IP.

#### Proposed Methodology - Overview

A discounted residual profit methodology has been used to establish an indicative value for the 1nkemia BF IP, which operates as follows:

- 1. The total system profit for the 1nkemia Biofuel business is calculated by:
  - a) Extrapolating forecast production volumes and selling prices to generate top-line system revenue.
  - Reducing revenue for operating expenses, including returns for the routine functions being **b**) performed in the 1nkemia BF's business supply chain, namely:
    - Manufacturing (remunerated at Total Costs + 8.5%)
    - Distribution (remunerated at 2% of revenue)
    - Head office/management ("HQ") activities (remunerated at Total Costs + 5%)

More detail regarding forecast production volumes, prices and expenses is included at Appendix A

#### Proposed Methodology - Overview

- 2. Residual profit is calculated as the portion of total system profit remaining after the allocation of a return to each routine function.
- 3. The total IP value is calculated based on two components of discounted residual profit:
  - a) Present value of the forecast residual profit for the period forecast until 2028 – this is calculated by discounting the residual profit stream 2017 – 2028 back to present value using the estimated Weighted Average Cost of Capital ("WACC").
  - Present value of the residual profit beyond 2028, being the year in which the 1nkemia BF business is **b**) expected to have completed construction of plants/reached target production capacity (referred to as the "terminal value") – this is calculated by discounting the final year of forecast residual profit back to present value using the differential between the WACC and the terminal growth rate.

## Proposed Methodology – Inputs to System Profit Calculation

Input	Comment
Revenue	Revenue has been estimated using the revenue forecast for the SINES plant (an example of a plant with capacity < 100 MT) and for a larger plant (> 100 MT capacity). The average price per MT for each of the examples has then been has been applied to the capacity of the 1nkemia BF business as it is forecast to increase over the next 10 years (i.e. as additional plants are constructed and become operational).
Costs	Similar to above, the forecast expense profile SINES plant and larger plant examples were used to calculate the average operating costs per MT (for variable costs) and per plant (for fixed costs) as the capacity of the 1nkemia BF business increases over the next 10 years. The forecast cost of centralised head office/management activities has also been included as a fixed overhead cost.
Growth rate	A general growth rate of 2.5% has been used, which broadly aligns with currently European CPI. This growth rate feeds into the model at various points, most importantly as the terminal value growth rate (i.e. the growth of the business once the ramp-up period of constructing new plants is finished, which is forecast to be 2028).
WACC	The base WACC of 10.1% used is the average industry WACC for European companies operating in the Specialised Chemicals industry. This industry was considered to be the most appropriate given that, unlike traditional oil, gas and mining companies, 1nkemia is not exposed to the same exploration risk – the feedstock used to for the 1nkemia BF business is already established (unlike tradition oil, gas and mining business, that have to explore and secure feasible resource reserves before production commences).
	This base WACC is then increased by a "risk premium" to 20.2% to account for 1) the additional risk associated with the IP as an isolated asset as opposed to as part of a complete business and 2) the additional risk of the 1nkemia BF business being in its start-up phase, as opposed to a business that is already operational/established in the industry.
Manufacturing mark-up	A mark-up of 8.5% on the total costs of manufacturing has been used to remunerate the manufacturing activities in the supply chain, based on a benchmarking of EU companies performing comparable manufacturing activities (see Appendix B). The total costs of manufacturing include an allocation of HQ expenses and depreciation costs.
Distribution return	A return of 2% on sales has been used to remunerate the distribution activities in the supply chain, based on a benchmarking of EU companies performing comparable distribution activities (see Appendix C).
HQ mark-up	A mark-up of 5% has been applied to any HQ costs not related to distribution (e.g. sales, marketing) and not allocated to manufacturing. This 5% is in line with EU guidance on the mark-up that should be applied to intragroup services.

### Proposed Methodology – Discounted Value

An indicative valuation of EUR 111.51 million (comprised EUR 45.75 million NPV of the forecast royalty stream and EUR 65.76 million NPV of the terminal value) is calculated as follows:

		0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Revenue				2,200,363	40,508,246	149,981,357	306,431,211	500,232,524	701,927,429	947,550,591	1,217,439,130	1,518,751,328	1,556,720,111
Manufacturing Expenses		14,583	25,000	1,905,920	34,461,773	126,149,837	255,392,623	416,125,474	582,642,297	784,923,654	1,007,029,238	1,254,769,405	1,286,138,640
Depreciation				106,653	1,915,575	5,683,151	8,366,628	12,316,560	14,377,685	16,801,849	19,354,834	22,095,193	22,095,193
Distribution Expenses		29,000	108,000	108,000	326,224	499,094	644,287	797,290	959,252	1,147,409	1,362,167	1,610,044	1,650,296
HQ Expenses		288,098	2,104,861	2,044,801	3,734,395	5,295,529	6,725,831	8,280,907	9,889,634	11,761,107	13,856,418	16,235,015	16,640,890
Cost of Capex													
	-	331,681 -	2,237,861 -	1,965,011	70,280	12,353,747	35,301,842	62,712,292	94,058,562	132,916,572	175,836,474	224,041,670	230,195,091
Manufacturing Expenses		110,983	420,651	3,953,233	40,078,551	137,108,545	270,468,693	436,707,560	606,893,752	813,469,802	1,040,222,124	1,293,079,168	1,324,853,758
Manufacturing Mark-up	8.5%	9,434	35,755	336,025	3,406,677	11,654,226	22,989,839	37,120,143	51,585,969	69,144,933	88,418,881	109,911,729	112,612,569
Total Distribution Return	2.0%	-	-	44,007	810,165	2,999,627	6,128,624	10,004,650	14,038,549	18,951,012	24,348,783	30,375,027	31,134,402
HQ Return	5.0%	9,585	85,461	5,207	1,660	999	819	769	793	840	918	1,022	1,048
Residual (IP Owner) Return	-	341,115 -	2,273,617 -	2,345,043 -	4,146,562	2,300,107	6,183,379	15,587,499	28,434,044	44,820,627	63,068,810	83,754,914	86,448,120
WACC	10.1%												
WACC (with Risk Premium)	20.2%												
NPV Residual (IP Owner) Return		45,749,255											
Years until Terminal Value Reached	11.0												
Growth rate at Terminal Value	2.5%												
Terminal Value Residual Stream	_	-	-	-	-	-	-	-	-	-	-	-	499,488,854.4
NPV Terminal Value		-	-	-	-	-	-	-	-	-	-	-	65,763,839.2
Total IP Value	111,513,094												
otal discounted IP Value	111,513,094												

## Sensitivity Analysis

Although the indicative valuation of EUR 111.51 million is based on an estimation of the parameters that will give the most accurate valuation of the 1nkemia BF business, it is also considered prudent to test the sensitivity of the following key inputs into the valuation:

Input	Description	Low	High
Base WACC	Testing the base WACC of $10.2\%$ used in the indicative valuation, using the same risk premium to express the additional risks associated with the stand-alone IP asset and start-up nature of the business (inflating the base WACC by $100\%$ ) – e.g. a base WACC of $12\%$ would be adjusted to $24\%$ including the risk premium.	15%	10%
Manufacturing mark-up	Testing the mark-up applied to the cost of manufacturing activities.	5%	9%
Distribution return	Testing the return on sales allocated to distribution activities.	1.5%	2.6%
EBIT	Testing the level of EBIT earned as total system profit. For example, if EBIT is -3% different from the forecast financial data prepared by 1nkemia, then the residual profit allocated to the IP owner will be 3% lower of the life of the model.	-3%	3%
Revenue Growth	Testing the growth in revenue over the model, to determine the impact on the valuation if production (and therefore revenue) was lower/higher than the forecast financial data prepared by 1nkemia. For example, if production is 80% of the forecast, this will decrease revenue by 20%, and a reduction in variable costs and profit accordingly.	50%	150%

The sensitivity analysis runs 3,125 permutations of the discounted residual profit calculation using different values for the above inputs, and produces an interquartile range of possible values of EUR 72.72 million to EUR 161.61 million (see Appendix D for further detail). We note the range of possible values from this sensitivity analysis is relatively wide as the 1nkemia BF business is a new business and it is therefore difficult to tighten assumptions around data inputs as projections are still highlevel. Hogan Lovells | 9

### Supporting Methodology - Overview

In order to verify that the discounted residual profit methodology used to establish the indicative valuation and perform the sensitivity analysis, a secondary valuation methodology has been applied. A discounted royalty methodology operates follows:

- 1. An approximate royalty rate verifying the residual profit methodology was determined using the ktMINE IP database to perform a high-level search for royalty agreements relating to similar IP. A similar arrangement for the license of IP was found, with a royalty rate of 4.5% of net sales. This royalty rate is applied to forecast sales revenue to give a notional royalty revenue that could be earned by an IP owner licensing the 1nkemia BF business IP. It should be noted that this is an <u>indicative</u> royalty rate for use in the supporting methodology, and an extended royalty search would be recommended to corroborate a wider range of royalty rates were the discounted royalty methodology to be relied upon as the primary methodology.
- 2. The cost of maintaining the IP as a stand-alone asset is estimated, based on historic costs related to the IP and the estimated cost of managing the IP.
- 3. The IP cost is deducted from the notional royalty revenue to give a future stream of royalty profits.
- 4. Similar to the discounted residual profit methodology, the IP value is comprised the present value of two components of discounted royalty profit:
  - a) the forecast royalty profit; and
  - b) the terminal value.

### Supporting Methodology – Discounted Value

A supporting valuation of EUR 109.08 million (comprised EUR 57.34 million NPV of the forecast royalty stream and EUR 51.74 million NPV of the terminal value) is calculated as follows:

		0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0
		2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Revenue				2,200,363	40,508,246	149,981,357	306,431,211	500,232,524	701,927,429	947,550,591	1,217,439,130	1,518,751,328	1,556,720,111
Growth rate					1741.0%	270.2%	104.3%	63.2%	40.3%	35.0%	28.5%	24.7%	2.5%
Royalty Revenue	4.5%			99,016	1,822,871	6,749,161	13,789,404	22,510,464	31,586,734	42,639,777	54,784,761	68,343,810	70,052,405
P Owner Expense			581,260	466,860	360,431	369,442	378,678	388,145	397,849	407,795	417,990	428,439	439,150
Owner Demo Plant Cost			1,397,550										
HQ support (1 CEO, 1 CFO, 1 BD)			500,000	512,500	525,313	538,445	551,906	565,704	579,847	594,343	609,201	624,431	640,042
Scientific support			750,000	768,750	787,969	807,668	827,860	848,556	869,770	891,514	913,802	936,647	960,063
				1765.5%	91.8%	25.4%	12.8%	8.0%	5.8%	4.4%	3.5%	2.9%	2.9%
Royalty Profit		-	3,228,810 -	1,649,094	149,159	5,033,606	12,030,960	20,708,058	29,739,269	40,746,125	52,843,768	66,354,292	68,013,149
NACC	10.1%												
VACC (with Risk Premium)	20.2%												
P Premium	100.0%												
NPV Royalty Stream		57,336,084											
Years until Terminal Value Reached	11.0												
Growth rate at Terminal Value	2.5%												
Ferminal Value Royalty Stream		_	-	-	-	-	-	-	-	-	-	-	392,973,379.9
IPV Terminal Value			-	-	-	-	-	-	-	-	-	-	51,739,769.4
otal IP Value	109,075,853												
otal discounted IP Value	109,075,853												

This discounted royalty valuation falls within the interquartile range of values determined by the sensitivity analysis performed for the proposed Residual Profit methodology, and therefore further supports the proposed indicative valuation of EUR 111.51 million.

#### Conclusion

Based on the outcome of:

- the proposed valuation methodology;
- sensitivity analysis of the inputs into that methodology; and
- supporting valuation methodology;

the indicative valuation of **EUR 111.51 million** is considered reasonable, based on the forecast financial performance of 1nkemia BF's business.

Should there be a substantial change to the forecast financial performance of 1nkemia BF's business, it would be recommended that this valuation be revisited.



## Appendix A - Business Forecasts

Model Assumptions - 1nk	kemia BF IP	Valuation	ı																			
			2017	2018	2019		2020	2	021	2022		2023		2024		2025		2026		2027		2028
1. Plants																						
# Plants operational					2		4		8	11		15		18		21		24		27		27
# Plants < MMT					2		4		6	7		8		8		8		8		8		8
#Plants > MMT					-		-		2	4		7		10		13		16		19		19
2. Revenue																						
Production plants < 100	/MT			€	1,035	€	1,415 €	€ 1,	451 €	1,487	€	1,524	€	1,562	€	1,601	€	1,641	€	1,682	€	1,724
Production plants > 100	/MT			€	1,140	€	1,558	€ 1,	597 €	1,637	€	1,678	€	1,720	€	1,763	€	1,807	€	1,852	€	1,898
3. Manufacturing																						
Production Inkemia	/MT				2.125		28.625	101.1	25	196,125		310.500		420.500	54	9.875		686,125		832.375		832.375
Production plants < 100					2,125		28,625	78,6		97,375		134,875		134,875		4.875		134.875		134,875		134,875
Production plants > 100					-,120		-	22,50		98,750		175,625		285,625		5.000		551,250		697.500		697,500
. roudonon pianto								,		00,100		,		200,020		0,000		001,200		307,000		33.,555
Production plants < 100			17.3% EBIT	DΛ																		
Feedstock	/MT		17.370 LDI1	€	748	€	1.022 €	€ 1	048 €	1,074	€	1,101	€	1,129	€	1.157	€	1.186	€	1.215	€	1,246
UCO	/MT			€			768		787 €	807		827		848		869	€	891		913		936
Other	/MT			€			254	_	767 € 261 €	267		274			€	288	€	295		302		310
Variable Overhead	/MT			€	99		136		139 €	142		146	_		€	153		157		161		165
Fixed Overhead	/Plant	€	14,583 €	25,000 €	52,725	_	328,868 €	-	089 €	345,516		354,154	_	363,008	_	372,083		381,385	_	390,920	_	400,693
Production plants > 100			18.4% EBIT	DΛ																		
Feedstock	/MT		10.470 LD11	€	846	€	1,156 €	€ 1	185 €	1,215	€	1,245	€	1,277	€	1,308	€	1,341	€	1,375	€	1,409
UCO	/MT			€			908		930 €	954		978		1,002		1,027		1,053		1,079		1,106
Other	/MT			€			249		255 €	261		268		274			€	288		296		303
Variable Overhead	/MT			€			107		110 €	113		115		118	_	121	€	124	_	127		130
Fixed Overhead	/Plant	€	14,583 €	25,000 €	82,236		812,849		170 €	853,999		875,349		897,233		919,664		942,655		966,222		990,377
4. Depreciation																						
Production plants < 100	/MT			€	50	€	67 €	€	67 €	67	€	67	€	67	€	67	€	67	€	67	€	67
							40	•	40	40		40		40		40		40	•	40		40
Production plants > 100	/IVI I			€	14	€	19 €	E	19 €	19	€	19	€	19	€	19	€	19	€	19	€	19

## Appendix B – Manufacturing Benchmarking Process

Product name	Orbis		
Update number	164		
Software version	129.00		
Data update	06/10/2017 (nº 16403)		
			Search result
1. All companies			232,938,955
2. Status: Active compa	nnies		180,380,368
3. BvD Independence in	dicator: A+, A, A-		3,275,757
4. World region/Countr	y/Region in country: Africa, Eastern Europe, Middle East, Western Europe		1,132,477
	y codes only): 19 - Manufacture of coke and refined petroleum products, 20 - Manufacture of cal products, 24 - Manufacture of basic metals		3,299
	en in English, Description and history, National activity labels, Products and servicesZephyr , Overview (All sections): Manufacture or Manufacturing		2391
organic and inorgani	ries to 19 - Manufacture of coke and refined petroleum products, 20.13/14 - Manufacture of c basic chemicals, 20.15 - Manufacture of fertiliser and nitrogen compounds, 20.20 - cides and other agrochemical products		534
7 Remove all companie	es with no financial data for 2015/16		202
8 Remove all companie	es with an insignificant financial result (i.e 1,000 EUR) for 2012 - 2017		181
9 Filter for companies	with total revenue 2013 - 2016 of > 5million EUR and < 5billion EUR		112
10 Filter for companies	with insufficient trade information		25
11 Manual filter for func	tional comparability		8
12 Remove companies	with sustained (3 out of 5 years) losses		5
		Total # comparables	5

# Appendix B – Manufacturing Benchmarking Results

Minimum	1.13%
Lower Quartile	4.97%
Median	5.40%
Upper Quartile	8.50%
Maximum	8.99%
Observations	5

## Appendix C – Distribution Benchmarking Process

Product name	Orbis		
Update number	164		
Software version	129.00		
Data update	06/10/2017 (n° 16403)		
			Search result
1. All compar	ies		232,938,955
2. Status: Ac	ive companies		180,380,368
3. BvD Indep	endence indicator: A+, A, A-		3,275,757
4. World regi	on/Country/Region in country: Africa, Eastern Europe, Middle East, Western Europe		1,132,477
5. NACE Rev.	2 (Primary codes only): 467 - Other specialised wholesale		14,237
	ription given in English, Description and history, National activity labels, Products and servicesZephyrescription, Overview (All sections): Distribution or selling or sale or sales		2,754
6a. Further re	ine industries to 4671 - Wholesale of solid, liquid and gaseous fuels and related fuels		1237
7 Remove a	companies with no financial data for 2015/16		179
8 Remove a	companies with an insignificant financial result (i.e 1,000 EUR) for 2012 - 2017		164
	ompanies with total revenue 2012 - 2016 of > 5million EUR and < 5billion EUR (i.e average of oillion per year)		117
10 Filter for c	ompanies with insufficient trade information		105
11 Manual filt	er for functional comparability		84
12 Manual filt	er for product comparability		75
13 Remove co	mpanies with no financial information for 3 out of 5 years		71
14 Remove co	mpanies with sustained (3 out of 5 years) losses		58
15 Remove co	mpanies with outlier results (indicating not functionally comparable)		57
		Total # comparables	57

## Appendix C – Distribution Benchmarking Results

Minimum	0.02%
Lower Quartile	0.62%
Median	1.53%
Upper Quartile	2.55%
Maximum	14.40%
Observations	57

## Appendix D – Sensitivity Test Output

nsitivity Analysis - 1nkemia BF IP Valuation						
	BASE	LOW	HIGH	STEPS	SIZE	START
WACC	10.12%	10.00%	12.00%	5	0.50%	9.50%
Manufacturing mark-up	8.50%	5.0%	8.5%	5	0.88%	4.1%
Distribution return	2.5%	1.5%	2.6%	5	0.28%	1.2%
EBIT target	0%	-3%	3%	5	1.50%	-4.5%
Revenue growth	100%	50%	150%	5	25.00%	25.0%
Permutations	3,125		Counter	3125		
Lower Quartile		72,720,055		Run	Sensitivity	/ - Royalty Method
Median		119,151,395		Tturr	oc.isitivity	no jarej Weenou
Upper Quartile		161,617,628				