N22-6F Chemistry Lab Management of DG Chemicals

Updated: 2024



Outline

- 1. Application and Collection of chemicals on LIMS
- 2. Storage of Chemicals
- 3. Stocktaking
- 4. Self-Purchase Request of Chemicals (Less than MOP 50,000)

Outline

澳門第12/2022號法律《危險品監管法律制度》專頁介紹(澳門)

澳門特別行政區 第12/2022號法律《危險品監管法律制度》

Região Administrativa Especial de Masau A Lei n.º 12/2022

"Regime jurídico do controlo de substâncias perigosas"







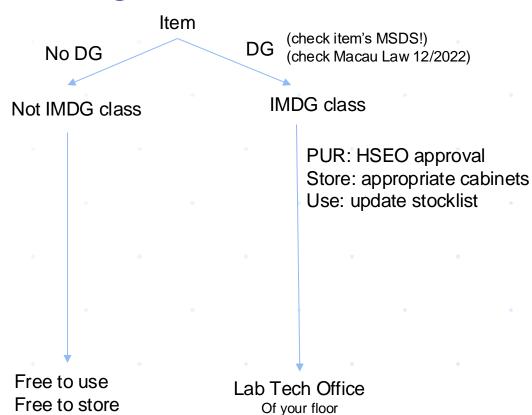




相關法律法規

- 第12/2022號法律《危險品監管法律制度》
- 第27/2023號行政法規:危險品監管法律制度主要施行細則
- 第107/2023號行政長官批示:訂定危險品子分類和編碼
- 第108/2023號行政長官批示:訂定獲自動豁免第12/2022號法律第八條(一)項(2)分項及(3)分項所規定危險品用戶的預先通知義務的條件
- 第109/2023號行政長官批示:關於某類危險品用戶須遵守的規定
- 第110/2023號行政長官批示:在第209/2021號行政長官批示第二款所指的附件二的表A(出口表)及表B (進口表)中分別增加若干貨物
- 第111/2023號行政長官批示:核准重大危險品專門用戶及相應的具職權公共當局的名單
- 第112/2023號行政長官批示:核准第27/2023號行政法規第二十四條所指的專用表格的式樣
- Lei n.º 12/2022 (Regime jurídico do controlo de substâncias perigosas)
- Regulamento Administrativo n.º 27/2023: Regulamentação principal do regime jurídico do controlo de substâncias perigosas.

Dangerous Goods?



DANGEROUS GOODS HAZARD IDENTIFICATION

Classification of H	lazardous Materia	ls		
2.2 Non-	2.3 Toxic gases	3. Flammable	4.1 Flammable	4.3 Dangerous
flammable		liquids	solids	when wet
The state of the s	OK DESMG			No. of the last of
5.1 Oxidizing	5.2 Organic	6.1 Toxic	8. Corrosive	9. Miscellaneous
substances	peroxides	substances	substances	
OXEDISMG AGENT 5.1	DIGGANC PRINCERED 5.2	TOXIC 6		and the second s
Classification of H	lighly Hazardous l	Materials		
Classification of H	lighly Hazardous I 2.1 Flammable gases	Materials 2.3 Toxic gases	4.8 Spontaneously combustible	6.2 Infectious substances
	2.1 Flammable			
1.Explosive	2.1 Flammable gases	2.3 Toxic gases		substances

The classifications are based on the IMDG code (International Maritime Dangerous Goods Code)



Dangerous Goods?

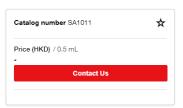


Invitrogen™

Streptavidin, (Cy5)

• Class: RUO • Statement: For research use only. Not for use in diagnostic procedures. • Buffer: PBS • Preservative: 0.1% Sodium AzideViewRead more

Have Questions? Contact Us



Q Certificate



Product Overview

Figures

Recommendations

Documents

- Class: RU
- Statement: For research use only. Not for use in diagnostic procedures.
- Buffer: PB
- Preservative 0.1% Sodium Azide

View a selection guide for all Alexa Fluor™ streptavidin and avidin conjugates.

For Research Use Only. Not for use in diagnostic procedures.

SECTION 14: Transport information

IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations

UN number

UN proper shipping name Transport hazard class(es)

Packing group

Not Applicable

Not Applicable Not Applicable

Not Applicable

Environmental hazards

Not Applicable

Special precautions for user

Not Applicable

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not Applicable.

Application and Collection of chemicals on LIMS

Collection from Lab Tech Warehouses

[6F] Organic Solvent

Apply on LIMS system

Collection

Mon/Wed/Fri 09:30 – 11:00 (No overdue)

[6F DG] Acid/Alkaline/ Others

PI endorsed DG form + LIMS application

Collection

Mon/Wed/Fri 09:30 – 11:00 (No overdue)

Needs DG form

[6F DG] Solids

PI endorsed DG form

Collection

Mon/Wed/Fri 09:30 – 11:00 (No overdue)

Needs DG form

(1) DG Form







Lab tech

If there is no suitable location for the storage of the Dangerous Goods, the applicant is not allowed to store a large quantity of the Dangerous Goods in the laboratory area at one time, and the technician will distribute the quantity to the applicant tin batches according to the situation.

Example: To apply for 100ml HCl and expected to consume in 5 days. Lab Tech will distribute in 5 times, 20 ml each.



ICMS Dangerous Goods Application 高度危險品申領表格

(申請人請先參閱備註之重要事項,填寫表格後交到實驗室技術員處。)

Reques	ster Information					
Nar	me	Stude	ent No.			Form Number (For internal use)
E-m	nail	Tel	/Ext.			LMIS ID
Offi		I	P.I.		LIVIIO ID	
Danger	rous Goods Information			Numbers of		
Item 編號	DG information 高危品名稱、級數	Qty 申領數量	Unit 單位	day used 預計使用天數	Lab 實驗室位置	Pick up confirmation 領取確認
1	HCI, 37%	100	ml	5	60XX	
2						
3	Unit: mill Should b	e con				
4	LIMS if the	e iten	n is	availa	ble	
5						T
6						
Signate	ure					
Date	ABC a: /_/ Date pli Pli	<i>PI</i>		Date: / / Lab Technicia		申 請人簽署確認所申 領之 高危品已全部領究。



Storage of Chemicals

2

(1) Appropriate Storage of Chemicals





















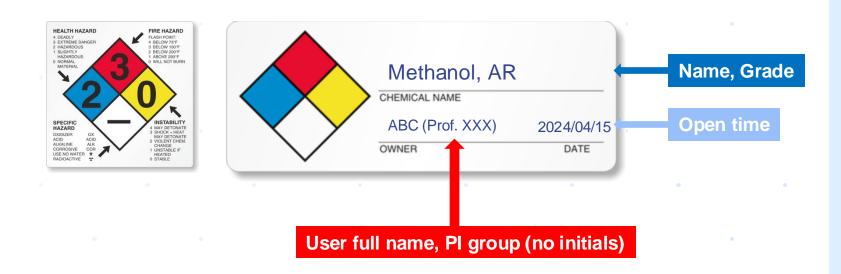
Lab Bench

Fume Hood Floor (for temp use yes)

Not even the unopened, brand new one on the floor

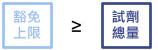
If unattended items are found, lab tech will dispose them without notice.

(2) Appropriate Labelling



Any unattended and unidentified items will be disposed by lab technicians without notice

Chemical Exemption Limit



豁免上限以每一間實驗室房間為單位, 豁免量與該房用戶共用 不在列表中的其他化學品亦需申報

Exemption is counted by the whole room as the minimum unit, therefore it is very likely that the exemption capacity in the room will be shared by other user groups.

https://bo.io.gov.mo/bo/i/2023/30/despce_cn.asp#107

Imprens**附件**等ial -()

印 務 层 [第二款(二)項所指者]

表一

用於家用、工業、實驗室及未指明用途的豁免上阿

序		77 80 1 3 77 80 1		豁免量	上限(單位)	化學文摘社編
號	聯合國編號	危險品或物品名稱	家用	工業	實驗室	未指明用 途	- 11字人洞杜綱 號
第2類	頁—氣體		-/		or.		-/17
1	1001	Z炔	50	300	150	150	74-86-2
2	1002	空氣 [壓縮的]	50	300	150	150	-
3	1005幣 局	印務局 气制 氨印務局 气制	0	50	25日	25	7664-41-7
4	1006 Imprensa Oficia (壓縮的) / Imprensa O	Impren	50	300	150 al –(150	7440-37-1 iprensa Oficia
5	1011	正丁烷	25	150	75 _{cm}	75	106-97-8
6	1013 Imprensa Ofici (壓縮的) Imprensa O	二氧化碳 [壓縮的或液化的]	50 tensa	300 Office	150	150	124-38-9
7	1032	二甲胺 [無水]	25	150	75	75	124-40-3
8	1033	印務局工甲醚務局	25	150	75 ^[1]	75	115-10-6
9	1036	乙胺	25	150	75	75	75-04-7
10	- Imprensa Oficial 1039)- Imprensa O	ilial -())— Imprensa Ofi甲之醚)— Imprensa O Imp	25	150	al 75 - (75	pre540-67-0 ci a

(3) DG Storage Compatibility

附件二

(第三十八條第一款所指者)

-() _ Imprensa Oficial -()

Imprensa Oficial

mnrensa Oficial

Imprensa Oficia

		第2類	第3類	第4.1類	第4.2類	第4.3類	第5.1類	第5.2類	第6.1類	第8類	第9類
	類別	氣體	易燃液體物質	易燃固體物質、自反應物質和退敏爆炸物質	易自燃物質	遇水放出易燃 氣體的物質	助燃物質(氧化劑)	有機過氧化物	有毒物質	腐蝕性物質	雜類危險物質 和物品
第2類	氣體	回 0									
第3類	易燃液體物質	×	0								
第4.1類	易燃固體物質、自反 應物質和退敏爆炸物 質	人 人	X	日務局							
第4.2類	易自燃物質	×	X	Δ	0						
第4.3類	遇水放出易燃氣體的 物質	X	×		nprensa One	al -(1)					
第5.1類	助燃物質(氧化劑)	X	X	Δ	X	X	0				
第5.2類	有機過氧化物	⊥ X _{mpr}	ensa OXcial	X	mprer Xa Ofic	X	InXrensa	O Împren			
第6.1類	有毒物質	X	X	•	Δ	•	Δ	Δ	0		
第8類	腐蝕性物質	^周 ×	X	日 務 🛕	Δ	日本務局	X	X	· ·	務局	
第9類	雜類危險物質和物品	X	X	6.0	0	0	0	0	0	6.0	0

註:

- 原則上可混合儲存
- ×不得混合儲存ia應隔開儲存。 Imprensa Ofic
- △應遠離儲存
- ◎ 易燃氣體、毒性氣體、氧化性氣體三者應隔開儲存
- 酸性與鹼性物質應隔開儲存。

Non-compatible substances cannot be stored together.

Solid and Liquid stored in separated cabinet.

(3) DG storage

Before purchasing / applying from LIMS, please clear the storage area for the new DG. Consult with Lab Technicians.



Your own cabinet or Lab Tech's warehouse

Be careful of Chemical Exemption Limit

- New purchased DGs
 In large amount
- → Deliver by Supplierby Batches
- → Your own cabinet

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Stocktaking

Stocktaking

Regarding the regulations by HSEO, faculties and institutes needs to submit an updated chemical stock lists to keep track of the management of chemicals and DGs, and report to the related departments of the government. Therefore it is obligated that every PI group should update their own chemical collections.

1	Lab Tech Office informs PI representatives to update the stock list
2	Update stock list with items, quantity, CAS no., location, etc. Chemical Cabinet Stocklist Template
3	Email Reply to Lab Tech Office with updated stock list
4	Stock Lists will be printed out and labelled at each PI's chemical cabinets after verification
5 *	PI groups should establish a stocktaking mechanism in order to keep track of the DGs and response to related departments ASAP if any incident occurs.

Chemical Cabinet Stock List

1	LMIS ID	Item Description*	Chinese Name	Brand	Model / Cat. #	CAS#	UN Number	IMDG Class	Lab Exemption (L)	Qty.	Representative	Date	Grade	Packing Volume	PI			Sum Volume=Qty* packing volume	РО	PR	Remark (Supplier and Delivery)
2	eg.	Ethanol	無水乙醇	西隴科學	參考包裝, 如無留白	64-17-5	1170	3		16	Samona	2024/4/15	AR	500 mL	Labtech	N22-6026	11-chem-51	8000mL	如沒有記 錄請留空	如沒有記 錄請留空	SYH 如沒有記錄請留空
3																					
4																					

英文 中文 品牌 試劑 編號 編號

化學 品登 記號

聯合國編 級





日

課 存放位置

試劑櫃

試劑 總量



Cat. no

Brand name

CAS (Chemical Abstracts Service) Registry Number

- Usually labelled on the bottle
- Search online

PR / PO Number

- PR and PO number if purchased thru UM procurement procedures
- PUR number if self-purchase
- Leave blank if very old stock

Chemical Cabinet Stock List

1	LMIS ID		Chinese Name	Brand	Model / Cat. #	CAS#	UN Number		Lab Exemption (L)	Qty.	Representative	Date	Grade	Packing Volume	PI			Sum Volume=Qty* packing volume	PO	PR	Remark (Supplier and Delivery)
2	eg.	Ethanol	無水乙醇	西隴科學	参考包装,如無留白	64-17-5	1170	3		16	Samona	2024/4/15	AR	500 mL	Labtech	N22-6026	11-chem-51		如沒有記 錄請留空		SYH 如沒有記錄請留空
3																					
4																					

CAS: 64-17-5

更新 品牌 試劑 化學 危 豁免 存 負責人 試 英文 課 中文 容量 試劑 存 品登 編號 險 量 名稱 上限 名稱 題 放 名稱 劑 總量 記號 等 日 位 級 期 置 號

化學 品登

記號

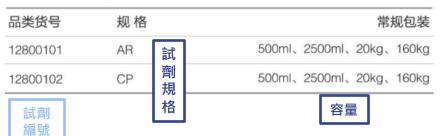
▶ 乙醇-95% 🔐

Ethanol-95%

分子式: C₂H₆O

分子量: 46.07

危险属性/管制品:易燃液体



SECTION 14 : Transport information

UN-Number

1170

聯合國編號

UN proper shipping name

Ethanol (Mixture)

Transport hazard class(es)



Class:

3 Flammable liquids

危險等級

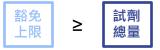
Packing group: II

Environmental hazard:

Transport in bulk:

Special precautions for user:

Chemical Exemption Limit



豁免上限以每一間實驗室房間為單位, 豁免量與該房用戶共用 不在列表中的其他化學品亦需申報

Exemption is counted by the whole room as the minimum unit, therefore it is very likely that the exemption capacity in the room will be shared by other user groups.

https://bo.io.gov.mo/bo/i/2023/30/despce_cn.asp#107

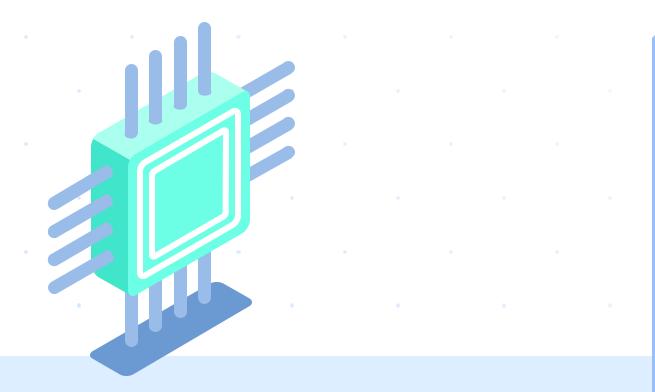
Imprensa Oficial -() | Imprens 附件与ial -() | Imprensa Oficial -() | Imprensa Oficial -() | Imprensa Oficial

印 務 局 [第二款(二)項所指者] 局

表一

用於家用、工業、實驗室及未指明用途的豁免上阿

序				豁免量	上限(單位)	- 化學文摘社編
號	聯合國編號	危險品或物品名稱	家用	工業	實驗室	未指明用 途	號
第2			-/3		- GT	16 E	-(1)
1	1001 Imprense Offici(溶解乙炔)	Z炔 Imprensa O Imp	50	300	150	150	74-86-2
2	1002	空氣 [壓縮的]	50	300	150	150	th enza micia
3	1005第 局	印務局 复印務局	0	50	25年	§ 25	7664-41-7
4	1006 - Imprensa Oficia(壓縮的) — Imprensa Of	al - (Impren 氢 [壓縮的或液化的] Imprensa O Imp	50 rensa	300	150 al –(150	7440-37-1 prensa Oficial
5	1011	正丁烷、数量	25	150	75 gr	75	106-97-8
6	1013 Imprensa Officia(壓縮的) Imprensa Of	二氧化碳 [壓縮的或液化的]	50 rensa	300 Office	150	150	124-38-9 nprensa Oficia
7	1032	二甲胺 [無水]	25	150	75	75	124-40-3
8	1033	印務局工甲醚務局	25	150	75 ^[]]	% 75°	115-10-6
9	1036	乙胺	25	150	75	75	75-04-7
10	- Imprensa Oficial 1039 - Imprensa Of	ial -() — Imprensa Ofi甲乙醚) — Imprensa O Imp	25	150	al 7 5 - (75	pre540-67-0 cial



Self-Purchase Request of Chemicals (Less than MOP 50,000)

4

Self Purchase of Chemicals

	Forms	Instructions	Auditor
1	ICMS Laboratory Purchase DG Request Application	ICMS Laboratory Purchase DG Request Application for any DGs	Responsible floor Lab Tech Office → HSEO approval
2	ICMS-F-033 Application/hurbase Version 159 2505001	Self Purchase PUR Form (<mop 50,000)<="" td=""><td>9F office → Director/RSKTO approval</td></mop>	9F office → Director/RSKTO approval
PurclCom infor	municate witl	leases after UM/RSKTO + HSEO approval In the supplier for delivery, and send the delivery Tech Office (supplier name, invoice number, date and lation)	Responsible floor Lab Tech Office [●] → HSEO approval
3	X Chemical Cabinet Stocklist Template	Update your group's Chemical Stock List	Responsible floor Lab Tech Office

(1) PUR Form (<50,000)

APPLICATION FORM FOR PURCHASE OF GOODS/ ACQUISITION OF SERVICES

Form Number: ICMS-PUR-2024-

 $(Amount \leq MOP50,000)$

NOTE: For amount of good(s) to be purchased and/or service(s) to be acquired > MOP50,000, please initiate your purchase request via the University Procurem Section (PCT). For details, please approach your Institute(Key Lab's research support colleanue.

1. PROJECT INFORMATION

Name of Principal Investigator: [Name of PI]

Project Reference Number:

Project Title (in English):

2. DESCRIPTION OF GOODS/SERVICE TO BE PURCHASED (the below table is expandable)

Description of good(s)/service(s):	Quantity	Reason(s) for making the purchase:	Item no. (applicable for FDCT & External Projects)
1)		1)	1)
2)		2)	2)
3)		3)	3)

3. PROCUREMENT

□ I have obtained verbal/written consultations from at least 3 suppliers.

In accordance with Item 1, 2 and 3 of Article 8 of DL No.122/84/M dated 15/12/1984, subsequently amended by the Law No. 5/2021 "The Expenditure Regime Related to Works, Acquisition of Goods and Services", verbal/written consultation was sought from at least 3 suppliers for the purchase. 核接起第5/2021推法律借收十二月十五日第122/84M键法令(有阻工程、取得财富及服务的同生利度)第八层第一款、第二款及第三款之规 定,已向至少3個供應前要來口頭或當面裝價。

☐ I have obtained verbal/written consultation from one supplier only.

In accordance with Item 2 [a)/ b)/ e)/ f)/ g)] of Article 7, Item 1 and 4 of Article 8 and Article 10 of DL No. 122/84/M dated 15/12/1984, subsequently amended by the Law No. 5/2021 "The Expenditure Regime Related to Works, Acquisition of Goods and Services", written consultation is exempted and propose to directly award to the supplier below is proceeded.

根據經第5/2021號法律修改十二月十五日第122/84M號法令《有關工報、取得財貨及服務的關支制度》第七條第二款[a/b/e/f/e]]項、第八 保第一款及第四款以及第十條之規定、移免書面諮詢並向以下供應前進行直接判給。

I hereby declare that I comply with the Macau Procurement Law DL No. 122/84/M dated 15/12/1984, subsequently amended by the Law No. 5/2021 "The Expenditure Regime Related to Works, Acquisition of Goods and Services" and have obtained proper verbal/written quotation(s) with proper record for the proof of consultation for the proposed purchase item(s) with amount \leq MOP50,000.

4. AWARD

Awardee: [Name of Awardee]

Please state the full name of the supplier, e.g. XXXX CO., Ltd.

Total amount of award: [Award amount]

Please state the total amount of the purchase that will be paid to the supplier in original quoted currency, e.g. RMBXXXX (MOP equivalent at the time of payment)

Justification(s) for choosing the above mentioned awardee:

In principle, quotation with the lowest price should be chosen.

The award is proposed in accordance with the relevant laws below:

In accordance with Article 5 of DL No. 122/84/M dated 15/12/1984, subsequently amended by the Law No. 5/2021 "The Expenditure Regime Related to Works, Acquisition of Goods and Services", it is proposed to award the purchase to [Name of Awardee] with the award amount of [Award amount]. (本地供應用) 根據經第5/2021發法維修改十二月十五日第122/84/M捷法令 (有關工能、取得財貨及服務的關生制度) 第五條之規定,為上述 研究項目所作的接觸作到時,被判錄人為 [Name of Awardee] · 判錄金額為[Award amount] ·

□ The chosen supplier is Non-local

In accordance with Item 2 of Article 17 of DL No. 122/84/M dated 15/12/1984, subsequently amended by the Law No. 5/2021 "The Expenditure Regime Related to Works, Acquisition of Goods and Services", it is proposed to award the purchase to [Name of Awardee] with the award amount of [Awardee] (非本地供應前)根據經第5/2021號法律修改十二月十五日第122/84/M號法令(有關工程、取得財貨及服務的關充利度)第十七條第二款之規

方、為上述研究項目所作的結構作別的、結別的人為 [Name of Awardee]、創始会解為[Award amount]。

Effective Date ∉ st # # : [Effective Date] Justification(s) for retroactive effect:

In accordance with item 2(a) of article 118 and items 3 and 4 of article 126 of Administrative Procedure Code approved by DL No. 57/99/M dated 11/10/1999, it is hereby proposed to ratify the relevant expenses with retroactive effect from [Effective Date]. 核線經10月11日第57/99M健治今核准之(行政程序法典)第118份第2款(a)项、第126份第3款及第4款之規定。连報有限關主;连溯由Effective Date]起生效。

5. BUDGET INFORMATION

Reserve to pay from (unit own budget). Budgeting unit: RSKTO

「部門本身預算」中預留撥款支付·預算單位:RSKTO

Budgetary Classification #8 X A 88-78	Year **	Organization	Cost Center		DSF Code 經濟分類	Amount (MOP)
****	2024	70800100		32-02-19-00-00	研究及級問 Research and Consultancy	
					原料、工場及參載消耗品 Raw Materials and Consumables for Workshop and Restaurant	
					工場及各處用品 Workshop and Restaurant Items	
				41-03-01-00-00	Software and Patent	
				41-02-10-00-00	Information and System Equipment	
				41-02-99-00-00	Others - Movable Assets	
				32-02-06-00-00	Communication, Postage and Courier Expenses	
				32-02-09-01-00	Transportation Expense for Official Trip	
					專案及技術知識工作 Professional and Technical Knowledge Work	

Reserved on 是無於___/______ with cative No. 星級量為____

6. REQUEST FOR APPROVAL SUMMARY

It is proposed to seek approval from the authorized entity on the following:

描语具描层管辖地准以下建筑: ☐ Local supplier is chosen

In accordance with Article 5 of DL No. 122/84/M dated 15/12/1984, subsequently amended by the Law No. 5/2021 "The Expenditure Regime Related to Works, Acquisition of Goods and Services', it is proposed to award the purchase to [Name of Awardee] with the award amount of [Award amount]. (本站供應前) 根據經第5/2021號浩律修改十二月十五日第122/84/M號法令〈右關工報、取得財貨及服務的關充制度〉第五條之規定,為上述 研究项目所作的接機作到给、被到给人為 [Name of Awardee]、到验金额為[Award amount]。

In accordance with Item 2 of Article 17 of DL No. 122/84/M dated 15/12/1984, subsequently amended by the Law No. 5/2021 "The Expenditure Regime Related to Works. Acquisition of Goods and Services", it is proposed to award the purchase to IName of Awardee) with the award amount of [Award

(非本地供應前)根據經第5/2021號法律修改十二月十五日第122/84/M號法令(右關工報、取得財貨及服務的開支制度)第十七條第二款之規 定、為上述研究項目所作的旅聘作判論、被判論人為 [Name of Awardee] · 判给金額為[Award amount] ·

In accordance with item 2(a) of article 118 and items 3 and 4 of article 126 of Administrative Procedure Code approved by DL No. 57/99/M dated 11/10/1999, it is hereby proposed to ratify the relevant expenses with retroactive effect from [Effective Date]. (建油) 核接經10月11日第57/99/M號法令程准之《行政程序法典》第118條第2款(3)項、第126條第3款及第4款之規定、建認有關關至;建油由 [Effective Date] 4: 4 st .

9F office Mariana CHIO

(1) PUR Form (<50,000)

9F office

RSKTO Mark Budget

2.	2. DESCRIPTION OF GOODS/SERVICE TO BE PURCHASED (the below table is expandable)												
	Description of good(s)/service(s):	Quantity	Reason(s) for making the purchase:	Item no. (for PDCT Project)									
1)	Detailed Description for the items		1)	1)									
2)	(Chemical name, product number, brand, grades, packing size, unit, etc.)		2)	2)									
3)			3)	3)									

- ✓ Methanol, AR, 500ml/bottle
- × 阿拉丁 #123456

(1) PUR Form (<50,000)

2. DESCRIPTION OF GOODS/SERVICE TO BE

Description of good(s)/service(s):

- 1) 1) (1S,2S)-N-[(2R,14S,18S)-1乙基-18,19,20,21-四氢-2-[2[(1S)-1-甲氧基乙基]-5-(4-甲基-1-哌嗪基]-3-吡啶基]25,25-二甲基-15,22-二氧代17H-5,3-([4,2]-endo-噻唑丙烷并[1,3]-endo-2-哒嗪基甲氧基丙烷)-1H-吲哚-14-基]2-甲基环丙烷甲酰胺
- 2) (1a,5a,6a)-N[(2R,14S,18S)-2-[5-(4-环丙基-1-哌嗪基)-2-[(1S)-1-甲氧基乙基]-3-吡啶基]-1-乙基18,19,20,21-四氢-25,25-二甲基-15,22-二氧代-17H-5,3([4,2]-endo-噻唑丙基 [1,3]endo-哒嗪甲桥丙烷)-1H-吲哚-14-基]-3-氧杂双环 [3.1.0]己烷-6-甲酰胺

3. PROCUREMENT

Procurement is completed based on relevant laws below:

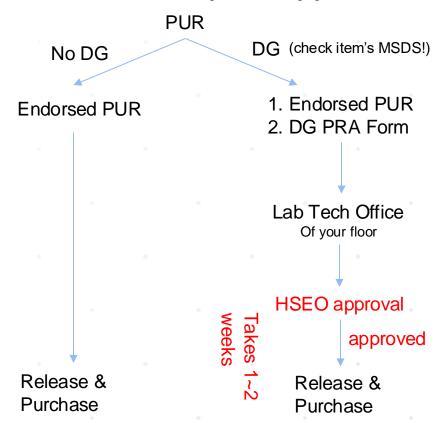
☑ I have obtained verbal/written consultations from at In accordance with Item 1, 2 and 3 of Article 8 of DL No Regime Related to Works, Acquisition of Goods and Ser 沒有任何結果適用於 (1S,2S)-N-[(2R,14S,18S)-1乙基-18,19,20,21-四氢-2-[2[(1S)-1-甲氧基乙基]-5-(4-甲基-1-哌嗪基)-3-吡啶基]25,25-二甲基-15,22-二氧代17H-5,3-([4,2]-endo-噻唑丙烷并[1,3]-endo-2-哒嗪基甲氧基丙烷)-1H-吲哚-14-基12-甲基环丙烷甲酰胺

請檢查您的拼字,或試試不同的關鍵字

Ref A: 66d0413ed5004fd1843b181857c2374f Ref B: PUSEEAP00002C84 Ref C: 2024-08-29T09:37:027

Please kindly state its Product Name or other information that could be searched online/database easily, not just IUPAC name

(2) DG Purchase Request Application



DANGEROUS GOODS HAZARD IDENTIFICATION

Classification of F	Iazardous Materia	l-		
2.2 Non-	2.3 Toxic gases	3. Flammable	4.1 Flammable	4.3 Dangerous
flammable		liquids	solids	when wet
war a manif was transit was transit and tr	OXIDISMG GAS Z	nemana 1		AMOUNT TO THE PARTY OF THE PART
5.1 Oxidizing	5.2 Organic	6.1 Toxic	8. Corrosive	9. Miscellaneous
substances	peroxides	substances	substances	
OCCUSSING AGENT 5.1	ORGANIC PROPERTY 5.2	TOXEC		Land of the land o
Classification of H	lighly Hazardous l	Materials		
Classification of E	fighly Hazardous l 2.1 Flammable gases	Materials 2.3 Toxic gases	4.8 Spontaneously combustible	6.2 Infectious substances
	2.1 Flammable			
1.Explosive	2.1 Flammable gases	2.3 Toxic gases		substances

The classifications are based on the IMDG code (International Maritime Dangerous Goods Code)



(2) DG Purchase Request Application

Attach this form with

Purchase Application Form (Goods/Services)
less than MOP50,000 – ICMS
Purchase Application Form (Goods/Service)
less than MOP50,000 – SKL

- PUR form to 9F for Director's endorsement
- 2 Forms To Lab Tech Office for further HSEO application
- HSEO approved, PUR approval released



ICMS Dangerous Goods Purchase Request Application

(中語人語先參與稱注之重要爭項,下載做協寫表相,引印並獲得莫書批准模交到所屬機層實驗查技術員重。 Please refer to the Important Notes, download the form, fill in and print it out, endorse by authorities then submit it to the lab technician office syour belonging floor)

- 極江及時 1. 所有自動的無数主包結晶心界体質的用表表,由电路人及可兼要使使用Parchase Application Form (Goods Services)less than MOP20.000 [2.15] 第7 Parchase Application Form (Goods Service) less than MOP20.000—ISL 之別所興車關於用數心查謝的。
 - 所報之危險品資料。包括品牌、型號、級數(化學認的適用)、包裝至位、申閱數量、金額及條字位置等(化學試會隔注明房間端款及 試象經過時,如 N22-6013x(11-cham.25)。必須協宜:
- 試到階級號,如 N22-6013a(11-chem-25) 必須填冠; 3. 暗認真填宜第二票的附件表格,不然陪由行指型表格確定
- 4. 有關高低品的分類訪多問的件資料。
- 5. 簽署本文件即代表承認所提交的資料準確無誤。

mportant Notes and Declaration

- Applicants should fill in this form if self-perchasing Dangerous Goods (please refer to the attached annex for definitions). Please acquire all endorsement with Perchase Application Form (Goods Services) less than MOP50 000 – ICMS or Perchase Application Form (Goods Services).
- and about the vholes are of application forms to La Trabnisian Office forms you belonging floor.

 It is a NUTS to fill in the table in page you while like Dargoov Goods information Ends, model cate, on, CAS on for the chemicals, Quantity Packing like Velome, Storage Location (of which floor eroom, a, N.22 office), August of Storage Chemical Cabiner from the (a, 2, 11 chem. 25)
 Phase copy that shall need go 19 you country if more it man are fided in.

 Phase copy that which in orgat 19 you county if more it man are fided in.
- 5. By signing this document, you acknowledge and confirm all the information submitted is correct.

申請人弟	Requester Information				
姓名 Name		學生/職員編號 Student No./Staff No.		日 期 Date	
電郵 E-mail		電話號碼 Tel/Ext.			
所屋課		PUR Application	ICMS-PUR-20XX-X	XXX	ζ
題组 P.I.		number	(跨音行感改 XX 混為當的拼降申請提 application so.)	M Piezza	adjust the XX with your PUR.

採購運由 Justificatio





ICMS Laboratory Purchase DG Request Application

PUR中有高危品 必須另填寫此表格

For purchasing Dangerous Goods/Chemicals, DG PRA form must be endorsed and submitted

(2) Purchase DG Request Application



ICMS Dangerous Goods Purchase Request Application

(中請人請先參阿備註之重要事	頃,下載後填寫表格,	打印並獲得簽署批准後交到所屬樓層實驗室技術員處。
Please refer to the Important No	tes, download the form	, fill in and print it out, endorse by authorities then submit it to the lab
tachnician office at your balancie	or floor)	

Please re	.請先參夠保証之重要事項,下載後 efer to the Important Notes, downloa an office at your belonging floor)				
借許及 ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・					
1.	所有白體的實驗室危險品必須填寫此用 ICAB	等表,由申請人及25 条	善支運问 Purchase Application Form	(Goods 5	Services) less than MOP50,000-
	🕱 Purchase Application Form (Goods/Se	rvice) less than MOP50,00	0_SKL 交到所屬機層技術具辦公]		
2.	所疆之危險品資料,包括品牌、型號、	級數 (化學部的體用)、	包裝單位、申購數量、金額及條	7位西等	(化學試會關注明房間網域及
	試劑極續號, 如 N22-6013a(11-chem-2	25) 必須填定:			
3.	詩認真填寫第二頁的附件表格, 不夠能	自行模型表格模寫。			
4.	有開高危品的分類請多問附件資料。				
5.	簽署本文件即代表承認所提交的	資料準確無誤.			
1. 2. 3. 4. 5.	Note and Declaration: Applicant should fill in this form if self- Applicant should fill in this form if self- the MOPEOU — EX: and when the whole set of application F it is MUST to fill in the table in page 2, Packing lies Volume, Storage I coation(Plane copy the table in page 2 to the origination of the property of the page 2, packing lies who in page 2 to the page 2. The detailed definition of Dangerou Go- By signing this document, you a	orm (Goods Services) less orms to Lab Technician Off with all the Dangerous Go of which floor-room, e.g. N If if more items are filled in ods are written in the attact	than MOP50,000 — ICMS or Purchas fee from your balonging floors, ods Information: Brand, model/cat.ni 22-8013a), Assigned Storage Chemi- Load annex.	o Applica o , CAS no cal Cabine	tion Form (Goods Service) less b. for the chemicals, Quantity, at number (e.g. 11-chem-25)
申請人	資料 Requester Information				
姓名 Name		學生/職員編號 Student No./Staff No.		日 期 Date	
電郵 E-mail		電話號碼 Tel/Ext.			

姓名 Name	Student No. Staff No.		期 Date
電郵 E-mail	電話號碼 Tel/Ext.		
所屬課 題組 P.I.	PUR Application number	ICMS-PUR-20XX-X (跨音行修放 XX 混为省的拆房申请捐 application no.)	XXX M Please adjust the XX with your PUR
採期理由 Justification			

	pplier & Delivery Information 行列供達的范围If more than one supplier, pl	lease add the table below	by yourself)
供應啲名籍 Supplier Name		供應向電話及電郵 Tel. and email	
預計送貸日 Estimated Delivery Date		收貸人姓名及地址 Deliver to (Name, tel. email & Location)	

採購項目 Purchase Items												
DG?	Item	Item Description	Brand	Model / cat. no.#	CAS no. for chemicals	Qty	Packing Size/Volume	Storage Location Room	Storage Cabinet number for chemicals	Unit	UNIT PRICE (MOP)	SUM PRICE (MOP)
	1											
	2											
	3											
	4											
	5											
	6											
	7											
	8											
	9											
	10											
夘	學價格	請參考採購處匯率計算	Please calculat	te with Exchan	ge rate refere	nce from I	PCT: https://fo.u	ım.edu.mo/tab			UNT (MOP)	

颁告 Signature 套票本文列研究的基础所提交的解析率起解源 • By signing this document, you acknowledge and confirm all the	information submitted is correct
Prepared by: Requester 申請人	Endorsed by: P.L 課題組導師
Print Name:	Print Name:
Date:	Date:

(2) Purchase DG Request Application

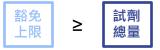
etc.

Can only input Chemical

name in English

採購項目 Purchase Items Storage CAS no. Storage UNIT Model / Packing Packing Chemical SUM PRICE DG? PRICE Item Item Description Qty Brand for Location Size/Volume Unit Cabinet cat. no.# (MOP) (MOP) chemicals Room No. 4.800.00 X 2.5 2-propanol MERCK 107022 67-63-0 12 Litre N22-6009a 400.00 11-chem-01 for analysis **EMPARTA**® **ACS Storage Location** Qty: bottles, pcs, etc. 4,800.00 Please make sure your space DOES NOT ease ca **EXCEED Item Description Packing Size/Volume:** the chemical exemption amount regulated by Macau Law 12/2022 numerical number only **Name** *Final destination cabinet Grade of chemical Remark temporarily stored at supplier and Packing Unit: mg, g, kg, L, delivery upon request by small batches

Chemical Exemption Limit



豁免上限以每一間實驗室房間為單位, 豁免量與該房用戶共用 不在列表中的其他化學品亦需申報

Exemption is counted by the whole room as the minimum unit, therefore it is very likely that the exemption capacity in the room will be shared by other user groups.

https://bo.io.gov.mo/bo/i/2023/30/despce_cn.asp#107

Imprensa Oficial -() | Imprens 附件与ial -() | Imprensa Oficial -() | Imprensa Oficial -() | Imprensa Oficial

印 務 局 [第二款(二)項所指者] 局

表一

用於家用、工業、實驗室及未指明用途的豁免上阿

序				豁免量	上限(單位) 化學文摘社編	
號	聯合國編號	危險品或物品名稱	家用	工業	實驗室	未指明用 途	號
第2			-/3		- GT	16 E	-(1)
1	1001 Imprense Offici(溶解乙炔)	Z炔 Imprensa O Imp	50	300	150	150	74-86-2
2	1002	空氣 [壓縮的]	50	300	150	150	th enza micia
3	1005第 局	印務局 复印務局	0	50	25年	§ 25	7664-41-7
4	1006 - Imprensa Oficia(壓縮的) — Imprensa Of	al - (Impren 氢 [壓縮的或液化的] Imprensa O Imp	50 rensa	300	150 al –(150	7440-37-1 prensa Oficial
5	1011	正丁烷、数量	25	150	75 gr	75	106-97-8
6	1013 Imprensa Officia(壓縮的) Imprensa Of	二氧化碳 [壓縮的或液化的]	50 rensa	300 Office	150	150	124-38-9 nprensa Oficia
7	1032	二甲胺 [無水]	25	150	75	75	124-40-3
8	1033	印務局工甲醚務局	25	150	75 ^[]]	% 75°	115-10-6
9	1036	乙胺	25	150	75	75	75-04-7
10	- Imprensa Oficial 1039 - Imprensa Of	ial -() — Imprensa Ofi甲乙醚) — Imprensa O Imp	25	150	al 7 5 - (75	pre540-67-0 cial

(2) DG Purchase Request Application

HSEO approval for Application for Purchasing of Chemicals / Dangerous Goods

https://umac.au1.qualtrics.com/jfe/form/SV_bpapyqrkHdmvnz8



After submission there will be a "Respond ID". Please send the DG list.xlsx and Respond ID To Lab Tech Office



*請上傳購買化學品 / 危險品的 Excel 檔案 Please upload the purchasing of chemicals / dangerous goods files with Excel File





*申請人簽名 Requester Signature

類型	簽名			
在下方輸入	您的姓名以	垒生簽名。		

HSEO approval for Application for Purchasing of Chemicals / Dangerous Goods

Some Feedback

	To Be Filled by Faculty			To Be filled by HSEO				
ltem	Item Decsription	CAS#	Respond ID	HSEO Endorsement	Item Code	Dangerous Goods	Remarks (If any)	
1	Methanol (HPLC, 4L/bottle)	67-56-1	R_4JA8M4elz5PmRS9	No adverse comment	32L000003r	Υ	If the total quantity is over the exemption limit, please kindly apply the exemption with the fire bureau.	
6	1,2-環氧辛烷	27299-15-0	R_43yjLVvGCnf4qJL	<u>Rejected</u>			CAS No. did not match with chemical name, please revise and submit to qualtrics again	
10	1-Octanethiol	111-88-6	R_43yjLVvGCnf4qJL		Over exemption	ı quantity		
15	1,4-二氧六環	123-91-1	R_4lB7uotc7dvTSZw	Pending				
16	甲苯	108-88-3	R_4lB7uotc7dvTSZw	Pending				
17	超乾甲苯	108-88-3	R_4lB7uotc7dvTSZw	Pending				

- 1. Please input item description in ENGLISH
- 2. Please make sure CAS no. matches the item chemical
- 1. Please check if it is not exceeding the exemption limit quantity, especially cat.9 (for cat.9 chemicals that are not in the list in Law no.12/2022, any amount of the item must first apply exemption with the fire bureau)

(2) DG Purchase Request Application

HSEO approval for Application for Purchasing of Chemicals / Dangerous Goods https://umac.au1.qualtrics.com/jfe/form/SV_bpapyqrkHdmvnz8



ltem	Item Decsription	Brand	Model / Cat. #	CAS#	Qty.	Packing Volume	Packing Unit	Date	Requestor	PI	Lab Room No.



(3) Purchase Order and Delivery

Confirm and Release the purchase order and delivery date





Applicant can communicate with the supplier for the delivery time after the purchase request is approved. Please also inform Lab Tech Office for the delivery details.

Subject: ICMS-PUR-XXXX DG Delivery

XXX技術員:

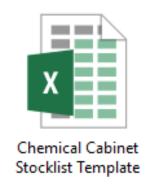
ICMS-PUR-XXXX之採購單已獲批,供應商XYZ Company會於 X 月 X 日送貨到N22-60XX室,由ABC同學 負責收貨 (email: <u>abc@um.edu.mo</u>, tel: 66661234)

附件:ICMS-PUR-XXXX採購申請表、訂單副本、PI_Chemicals_Self Purchase Record

(4) Update the Stock List

User receives the goods

Update the Chemical Cabinet stock list



Please update by yourselves regularly. Lab Tech Office will also collect from you regularly. Thank you!

1	LMIS ID	Item Description*	Chinese Name	Brand	Model / Cat. #	CAS#	UN Number	IMDG Class	Lab Exemption (L)	Qty.	Representative	Date	Grade	Packing Volume	PI	Lab Room No.		Sum Volume=Qty* packing volume	PO	PR	Remark (Supplier and Delivery)
2	eg.	Ethanol	無水乙醇	西隴科學	參考包裝,如無留白	64-17-5	1170	3		16	Samona	2024/4/15	AR	500 mL	Labtech	N22-6026	11-chem-51	8000mL	如沒有記 錄請留空	如沒有記 錄請留空	SYH 如沒有記錄請留空
3																					
4																					

(4) Update the Stock List



This is your responsibility to keep this stock list updated and correct.

If suspicion arises by the Government Department(s), you and your PI group will need to provide a reasonable justification and explanation. If the government is not satisfied, you and your PI group may face the negative consequences/penalties.

1	LMIS ID	Item Description*	Chinese Name	Brand	Model / Cat. #	CAS#	UN Number	IMDG Class	Lab Exemption (L)	Qty.	Representative	Date	Grade	Packing Volume	PI	Lab Room No.		Sum Volume=Qty* packing volume	РО	PR	Remark (Supplier and Delivery)
2	eg.	Ethanol	無水乙醇	西隴科學	參考包裝,如無留白	64-17-5	1170	3		16	Samona	2024/4/15	AR	500 mL	Labtech	N22-6026	11-chem-51	8000mL	如沒有記 錄請留空	如沒有記 錄請留空	SYH 如沒有記錄請留空
3																					
4																					

Thank you so much for your cooperation!

https://sklqrcm.um.edu.mo/laboratory-safety/https://sklqrcm.um.edu.mo/forms/

<u>澳門第12/2022號法律《危險品監管法律制度》專頁介紹 (澳門)</u> <u>澳門大學安健及環境事務辦公室 HSEO</u> <u>澳門特區政府藥物監督管理局 ISAF</u>