

# RIS wg Jacek Michna

- Gravity **27 BLG**
- ABV **12.9 %**
- IBU **58**
- SRM **49.4**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.2 liter(s)**
- Boil time **180 min**
- Evaporation rate **10 %/h**
- Boil size **30.2 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2.5 liter(s) / kg**
- Mash size **29.3 liter(s)**
- Total mash volume **41 liter(s)**

## Steps

- Temp **67 C**, Time **90 min**

## Mash step by step

- Heat up **29.3 liter(s)** of strike water to **76.4C**
- Add grains
- Keep mash **90 min** at **67C**
- Sparge using **12.6 liter(s)** of **76C** water or to achieve **30.2 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	5 kg (42.7%)	80 %	5
Grain	Monachijski	3.5 kg (29.9%)	80 %	16
Grain	Jęczmień palony	0.6 kg (5.1%)	55 %	985
Grain	Caraaroma	0.5 kg (4.3%)	78 %	400
Grain	Słód Caramunich Typ II Weyermann	0.5 kg (4.3%)	73 %	120
Grain	Płatki pszeniczne	0.4 kg (3.4%)	85 %	3
Grain	Płatki owsiane	0.4 kg (3.4%)	85 %	3
Grain	Jęczmień niesłodowany	0.4 kg (3.4%)	75 %	2
Grain	Carafa	0.4 kg (3.4%)	70 %	664

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Marynka	80 g	90 min	10 %
Boil	Lublin (Lubelski)	60 g	10 min	4 %

## Yeasts

Name	Type	Form	Amount	Laboratory
WLP004 - Irish Ale Yeast	Ale	Liquid	20 ml	White Labs

## Notes

- płatki jęczmienne a nie jęczmień niesłodowany  
drożdże to pewnie jakas gestwa? albo starter ?

burzliwa 21 dni w 15C  
cicha 21 dni w 15C

[http://www.wiki.piwo.org/Russian\\_Imperial\\_Stout,\\_Jacek\\_Michna\\_\(szop007\)](http://www.wiki.piwo.org/Russian_Imperial_Stout,_Jacek_Michna_(szop007))  
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