

# WĘGORZ

- Gravity **12.6 BLG**
- ABV **5.1 %**
- IBU **35**
- SRM **31.8**
- Style **Oatmeal Stout**

## Batch size

- Expected quantity of finished beer **21 liter(s)**
- Trub loss **5 %**
- Size with trub loss **22.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **26.5 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **16.2 liter(s)**
- Total mash volume **21.6 liter(s)**

## Steps

- Temp **68 C**, Time **70 min**
- Temp **76 C**, Time **10 min**

## Mash step by step

- Heat up **16.2 liter(s)** of strike water to **76C**
- Add grains
- Keep mash **70 min** at **68C**
- Keep mash **10 min** at **76C**
- Sparge using **15.7 liter(s)** of **76C** water or to achieve **26.5 liter(s)** of wort

## Fermentables

Type	Name	Amount	Yield	EBC
Grain	Viking Pale Ale malt	3.5 kg (64.7%)	80 %	5
Grain	Płatki owsiane	0.5 kg (9.2%)	85 %	3
Grain	Briess - Barley Flakes	0.5 kg (9.2%)	70 %	3
Grain	Strzegom Czekoladowy jasny	0.33 kg (6.1%)	68 %	400
Grain	Weyermann - Chocolate Wheat	0.33 kg (6.1%)	74 %	788
Grain	Jęczmień palony	0.25 kg (4.6%)	55 %	985

## Hops

Use for	Name	Amount	Time	Alpha acid
Boil	Magnum	25 g	60 min	13.5 %

## Yeasts

Name	Type	Form	Amount	Laboratory
Safale S-04	Ale	Slant	6 ml	łyżek, Safale

## Extras

Type	Name	Amount	Use for	Time
------	------	--------	---------	------

Flavor	Wędzona Śliwka	800 g	Boil	10 min
--------	----------------	-------	------	--------

## Notes

- Palone słody (jęczmień i czekoladowy ciemny) dodać po negatywnej próbie jodowej lub na ostatnie 10 minut zacierania  
*Feb 10, 2017, 5:19 PM*