

# BREW FOR UKRAINE - VID SYANU DO DONU

- Gravity **22.5 BLG**
- ABV **10.2 %**
- IBU **51**
- SRM **37.6**
- Style **Russian Imperial Stout**

## Batch size

- Expected quantity of finished beer **20 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21 liter(s)**
- Boil time **120 min**
- Evaporation rate **15 %/h**
- Boil size **28.6 liter(s)**

## Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **25.2 liter(s)**
- Total mash volume **33.6 liter(s)**

## Steps

- Temp **67 C**, Time **60 min**
- Temp **77 C**, Time **10 min**

## Mash step by step

- Heat up **25.2 liter(s)** of strike water to **74.8C**
- Add grains
- Keep mash **60 min** at **67C**
- Keep mash **10 min** at **77C**
- Sparge using **11.8 liter(s)** of **76C** water or to achieve **28.6 liter(s)** of wort

## Fermentables

| Type  | Name                   | Amount          | Yield | EBC  |
|-------|------------------------|-----------------|-------|------|
| Grain | Viking Pale Ale malt   | 6.97 kg (79.2%) | 80 %  | 5    |
| Grain | Caraaroma              | 0.38 kg (4.3%)  | 78 %  | 400  |
| Grain | Carafa III             | 0.07 kg (0.8%)  | 70 %  | 1034 |
| Grain | Słód Wędzony Steinbach | 0.07 kg (0.8%)  | 80 %  | 5    |
| Grain | Jęczmień palony        | 0.51 kg (5.8%)  | 55 %  | 985  |
| Grain | Płatki owsiane         | 0.4 kg (4.5%)   | 60 %  | 3    |
| Sugar | cukier                 | 0.4 kg (4.5%)   | 100 % | 0    |

## Hops

| Use for | Name   | Amount | Time   | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil    | Perle  | 45 g   | 90 min | 7 %        |
| Boil    | Perle  | 15 g   | 60 min | 7 %        |
| Boil    | Perle  | 20 g   | 30 min | 7 %        |
| Boil    | Magnum | 15 g   | 15 min | 13.5 %     |

## Yeasts

| Name         | Type | Form  | Amount | Laboratory |
|--------------|------|-------|--------|------------|
| Safale US-05 | Ale  | Slant | 400 ml | Fermentis  |

## Notes

- Cukier dodajemy na 20 min przed końcem gotowania.  
F. burz 21 dni w 20 C.  
F. cicha 14 dni w 20 C.  
Ref. 7 dni.  
Leżak. min. 5 miesięcy w temp. 12-14 C.  
*May 3, 2023, 11:32 AM*