

Russian Imperial Stout - Niebo Nocą #1

- Gravity **27.2 BLG**
- ABV **13 %**
- IBU **49**
- SRM **72.7**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **20.5 liter(s)**
- Trub loss **5 %**
- Size with trub loss **21.5 liter(s)**
- Boil time **70 min**
- Evaporation rate **10 %/h**
- Boil size **26.4 liter(s)**

Mash information

- Mash efficiency **65 %**
- Liquor-to-grist ratio **2.2 liter(s) / kg**
- Mash size **18.9 liter(s)**
- Total mash volume **27.5 liter(s)**

Steps

- Temp **62 C**, Time **50 min**
- Temp **66 C**, Time **40 min**
- Temp **72 C**, Time **40 min**

Mash step by step

- Heat up **18.9 liter(s)** of strike water to **71.6C**
- Add grains
- Keep mash **50 min** at **62C**
- Keep mash **40 min** at **66C**
- Keep mash **40 min** at **72C**
- Sparge using **16.1 liter(s)** of **76C** water or to achieve **26.4 liter(s)** of wort

Fermentables

| Type | Name | Amount | Yield | EBC |
|----------------|--------------------------------|----------------|-------|------|
| Grain | Viking Pale Ale malt | 5 kg (43.5%) | 80 % | 5 |
| Grain | Monachijski | 2 kg (17.4%) | 80 % | 16 |
| Grain | Pszeniczny | 0.5 kg (4.3%) | 85 % | 4 |
| Grain | Strzegom Czekoladowy ciemny | 0.7 kg (6.1%) | 68 % | 1200 |
| Grain | Strzegom Karmel 150 | 0.2 kg (1.7%) | 75 % | 150 |
| Grain | Strzegom Karmel 30 | 0.2 kg (1.7%) | 75 % | 30 |
| Liquid Extract | WES ekstrakt słodowy jasny | 1.2 kg (10.4%) | 80 % | 30 |
| Liquid Extract | WES ekstrakt słodowy ciemny | 1.7 kg (14.8%) | 80 % | 700 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|-------------------|--------|--------|------------|
| Boil | Marynka | 50 g | 50 min | 10 % |
| Boil | Lublin (Lubelski) | 25 g | 20 min | 4 % |
| Boil | Warrior | 30 g | 20 min | 15.5 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|--------------|------|------|--------|------------|
| Safale US-05 | Ale | Dry | 23 g | Fermentis |

Extras

| Type | Name | Amount | Use for | Time |
|--------|---------------|--------|-----------|-----------|
| Flavor | płatki dębowe | 20 g | Secondary | 20 day(s) |