

RIS Noworoczny

- Gravity **27.4 BLG**
- ABV **13.2 %**
- IBU **92**
- SRM **55.5**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **30 liter(s)**
- Trub loss **5 %**
- Size with trub loss **31.5 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **38 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **2 liter(s) / kg**
- Mash size **37.2 liter(s)**
- Total mash volume **55.9 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------------|----------------|-------|------|
| Grain | Paleale | 16 kg (85.9%) | 75 % | --- |
| Grain | Carafa II | 0.22 kg (1.2%) | 70 % | 812 |
| Grain | Karmelowy żytni Strzegom | 0.3 kg (1.6%) | 75 % | 150 |
| Grain | Palone Ziarno J | 0.3 kg (1.6%) | 75 % | 1200 |
| Grain | Strzegom Czekoladowy ciemny | 0.8 kg (4.3%) | 68 % | 1200 |
| Grain | Karmelowy | 1 kg (5.4%) | 70 % | 600 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------|--------|--------|------------|
| Boil | Warrior | 100 g | 60 min | 15 % |
| Boil | Northdown | 50 g | 30 min | 8.2 % |
| Boil | Lubelski | 100 g | 30 min | 4 % |
| Boil | Cascade | 30 g | 5 min | 5 % |
| Boil | Chinook pl | 70 g | 5 min | 10 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-----------------------------|------|-------|--------|------------|
| Zebrane US-08 po 100IBU IPA | Ale | Slant | 300 ml | --- |