

RIS

- Gravity **24.9 BLG**
- ABV **11.6 %**
- IBU **64**
- SRM **31.3**
- Style **Russian Imperial Stout**

Batch size

- Expected quantity of finished beer **23 liter(s)**
- Trub loss **5 %**
- Size with trub loss **24.1 liter(s)**
- Boil time **60 min**
- Evaporation rate **10 %/h**
- Boil size **27.8 liter(s)**

Mash information

- Mash efficiency **75 %**
- Liquor-to-grist ratio **3 liter(s) / kg**
- Mash size **30 liter(s)**
- Total mash volume **40 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|---------------------|---------------|-------|-----|
| Grain | pils/ale Byd | 7 kg (64.8%) | 80 % | 5 |
| Grain | Strzegom Karmel 600 | 1 kg (9.3%) | 68 % | 601 |
| Sugar | KARMELIZOWANY | 0.8 kg (7.4%) | 100 % | 0 |
| Grain | Monachijski | 2 kg (18.5%) | 80 % | 16 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|--------|--------|--------|------------|
| Boil | Magnum | 40 g | 60 min | 12 % |
| Boil | Magnat | 40 g | 60 min | 14 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------------|------|-------|--------|------------|
| Safale S-04 | Ale | Slant | 100 ml | Safale |