

RIS in peace

- Gravity **19.8 BLG**
- ABV **8.7 %**
- IBU **96**
- SRM **30.7**
- 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 **3 liter(s) / kg**
- Mash size **36.6 liter(s)**
- Total mash volume **48.8 liter(s)**

Fermentables

| Type | Name | Amount | Yield | EBC |
|-------|-----------------------|----------------|-------|------|
| Grain | Viking Pale Ale malt | 8.7 kg (71.3%) | 80 % | 5 |
| Grain | Strzegom Wiedeński | 1 kg (8.2%) | 79 % | 10 |
| Grain | Pszeniczny | 1 kg (8.2%) | 85 % | 4 |
| Grain | Karmelowy Jasny 30EBC | 0.3 kg (2.5%) | 75 % | 30 |
| Grain | Karmelowy 300EBC | 0.3 kg (2.5%) | 75 % | 300 |
| Grain | Czekoladowy | 0.3 kg (2.5%) | 60 % | 600 |
| Grain | Carafa II | 0.3 kg (2.5%) | 70 % | 812 |
| Grain | Carafa III | 0.3 kg (2.5%) | 70 % | 1034 |

Hops

| Use for | Name | Amount | Time | Alpha acid |
|---------|------------------------|--------|----------|------------|
| Boil | Columbus/Tomahawk/Zeus | 50 g | 60 min | 15.5 % |
| Boil | Citra | 70 g | 30 min | 11 % |
| Boil | Cascade | 25 g | 30 min | 6 % |
| Boil | Cascade | 50 g | 15 min | 7.5 % |
| Boil | Amarillo | 50 g | 5 min | 7.5 % |
| Dry Hop | Amarillo | 50 g | 7 day(s) | 9.5 % |
| Dry Hop | Cascade | 50 g | 3 day(s) | 6 % |

Yeasts

| Name | Type | Form | Amount | Laboratory |
|-------|------|------|--------|------------|
| US-05 | Ale | Dry | 15 g | --- |